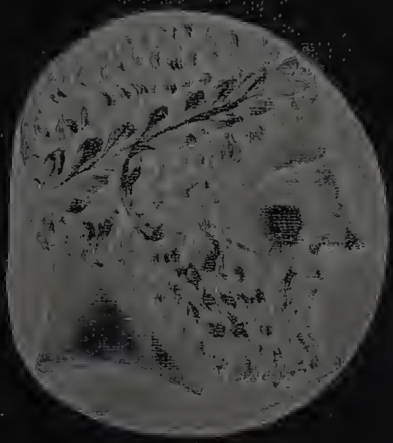


Marygrove
EX LIBRIS

772
F41

THE SCULPTURE AND SCULPTORS OF THE GREEKS

THE METROPOLITAN MUSEUM OF ART

THE SCULPTURE AND SCULPTORS OF THE GREEKS

BY

GISELA M. A. RICHTER, LITT.D.
CURATOR
DEPARTMENT OF CLASSICAL ART

NEW HAVEN · YALE UNIVERSITY PRESS
LONDON · GEOFFREY CUMBERLEGE · OXFORD UNIVERSITY PRESS

COPYRIGHT, 1929, 1930, BY YALE UNIVERSITY PRESS

PRINTED IN THE UNITED STATES OF AMERICA

FIRST PUBLISHED IN JANUARY, 1929, IN A LIMITED EDITION
OF FIVE HUNDRED COPIES

Second Edition, first published, August, 1930
Second printing, January, 1941
Third printing, April, 1946

All rights reserved. This book may not be reproduced, in whole or in part, in any form (except by reviewers for the public press), without written permission from the publishers.

Ρητὸν γὰρ οὐδαμῶς ἐστιν ὡς ἄλλα μαθήματα, ἀλλ' ἐκ πολλῆς συνουσίας γιγνομένης περὶ τὸ πρᾶγμα αὐτὸ καὶ τοῦ συζῆν ἐξαίφνης οἷον ἀπὸ πυρὸς πηδήσαντος ἐξαφθὲν φῶς ἐν τῇ ψυχῇ γενόμενον αὐτὸ ἑαυτὸ ἤδη τρέφει.

PLATO, EPISTLES VII. 341 C.

"There is no way of putting it into words like other studies, but after much communion and constant intercourse with the thing itself suddenly, like a light kindled from a leaping fire, it is born within the soul and henceforth nourishes itself."

PREFACE TO THE FIRST EDITION

THE immediate incentive for writing this book was the preparation of a course of lectures on Greek sculpture given under the auspices of The Metropolitan Museum of Art, Columbia University, and New York University in 1925 and 1926. It was a welcome opportunity to try a somewhat novel scheme for the presentation of this subject: the concentration first on the study of the sculpture itself and then on that of the sculptors who produced it. The abiding interest of Greek sculpture lies in the objects themselves. Their proper appreciation and understanding are a source of unending interest and enjoyment. It seemed desirable not to confuse this study with constant digressions concerning possible attributions to known artists; and it was likewise easier to give a consecutive picture of the great personalities who determined the development of Greek sculpture without continually interrupting the narrative by the consideration of other material. The opportunity thus afforded of giving our undivided attention to the sculpture as a purely artistic manifestation has suggested the consideration of a number of new aspects not usually treated in our histories of Greek art. In addition to making a consecutive, chronological study of the various types of the human figure I have tried to trace the development of drapery, of composition, and of the treatment of relief; and have added a chapter on Animals and one on Forgeries.

In the second part of my subject—The Greek Sculptors—I have endeavored to give the evidence pure and simple, carefully sifted to the best of my ability; for the time seemed ripe to present the foundation we now have to build on without questionable superstructures. When we consider the large number of sculptors known to us practically only by their names[1] the pastime of assigning the extant sculptures to a small group of familiar masters appears precarious. And I have omitted the absorbing question of "schools" as equally unprofitable in a book of this kind. In spite of certain diversities of style in various localities (cf. p. 6) the common characteristics are by far the more distinct. And especially is this true from the beginning of the fifth century when communication among the Greek states became more constant. Artists traveled from place to place and local traditions became merged in an international Greek style. This homogeneity of Greek art is convincingly brought out by a study of the coin types of the various Greek cities, where we should expect such diversities but where local characteristics of style are seldom observable—except in the broad divisions of Peloponnesian, Athenian, and Ionic. Though our archaeological literature abounds in discussions regarding the geographical origins of extant sculptures the varying theories held by different archaeologists have shown how difficult it is to draw the dividing line. I have therefore spared my reader such attributions and concentrated my attention on the salient characteristics common to Greek sculpture.

---

[1] E.g., Amphion, Diodoros, Skymnos, Askaros, Arkesilaos, Kleoitas (first half of fifth century B.C.); Pison, Kolotes, Theokosmos, Styppax, Demetrios, Pyrrhos, Pyromachos, Kleiton, Nikodamos, Kallikles, Telephanes (second half of fifth century); Apellas, Xenophon, Polykles, Sthennis, Polykrates, Kalliades, Telesias, Ktesikles, Exekestos, Strabax, Nikomachos, Demetrios (fourth century); Telephanes, Telesias, Ktesikles (dates uncertain); etc., cf. Overbeck, *Schriftquellen, passim.*

For the convenience of the student I have added a chronological table, rendering myself thereby particularly vulnerable to attack, since many dates are disputed.

The translations of the Greek and Latin texts are taken mostly from the Loeb editions and H. Stuart Jones's *Select Passages from Ancient Writers Illustrative of Greek Sculpture*, with occasional slight variations.

The large number of illustrations in proportion to the text will, I know, be acceptable; for reproductions are more eloquent than words and make, in fact, many words unnecessary. Photographs of casts have been used in preference to those of originals only when the casts could be photographed in a better light or from a more convenient angle than was possible with the originals.

My debts for help rendered are so numerous that I can acknowledge them only in a general way. Throughout the years that I have been at work on this book I have invariably found a ready response from my fellow archaeologists in the giving of desired information, in the opportunities of study afforded, and in the supplying of needed photographs. I gratefully acknowledge herewith this friendly assistance. I am under special obligation to Mr. E. T. Newell, who has generously helped me with information regarding coins; to Mr. J. D. Beazley for many important suggestions particularly in the chronological table; to Mr. M. N. Tod for help in inscriptions; and above all to my sister, Irma Richter, an artist by profession, who has revised the whole first part of my MS. and made innumerable suggestions and corrections in my text; I owe to her also the advice that I take up modeling and stone-cutting, an experience which proved invaluable.

Greek sculpture is a theme so much vaster than the interpretation of it by any one individual that it can never be a closed subject. Every fresh mind can make a new contribution by approaching it from a different angle and devoting to its analysis his own individual faculties. No apology is therefore needed for adding yet another volume to our histories of Greek sculpture. The mine on which we are working is inexhaustible; for its ore is not gold but the highest aspirations of a gifted people.

G. M. A. R.

New York, October, 1928.

PREFACE TO THE SECOND EDITION

The smaller format of this second edition has necessitated the repaging of the text. The figure numbers of the half-tone and line illustrations are, however, the same as before. The colored plates have been omitted. A few alterations in the illustrations have been made: figures 72, 203, 466, 564, and 644 are I hope now clearer; 418 and 689 have been corrected; and in 575 and 577 the statue (Harmodios) has been made to lean slightly further forward. In the text I have been able to profit by some criticism and have tried to correct various mistakes and misprints. It is hoped that having the illustrations all at the end and a reference for each figure to the page where it is discussed will facilitate the use of the book. For the same purpose an index to the illustrations has been supplied and additions have been made to the index to the text.

G. M. A. R.

New York, May, 1930.

CONTENTS

LIST OF ILLUSTRATIONS xiii
ABBREVIATIONS xxxv
I. GREEK SCULPTURE 1
I. The Historical Background of Greek Sculpture . . 3
(a) Early Period (1000–500 B.C.) 3
(b) Fifth Century 6
(c) Fourth Century (400–323 B.C.) 11
(d) Hellenistic Period (323–30 B.C.) 12
(e) The Greek View of Life 16
II. The General Characteristics of Greek Sculpture . . 21
III. Tentative Chronology of Outstanding Greek Sculptures 35
IV. The Human Figure 51
(a) The Standing Figure 52
(b) The Seated Figure 60
(c) The Flying or Running Figure 62
(d) The Striding Figure 64
(e) The Reclining Figure 66
(f) The Falling Figure 68
(g) The Crouching Figure 69
V. The Head 71
(a) The Rendering of the Features 71
(b) The Head as a Medium of Expression 76
VI. Drapery 87
(a) Greek Dress 87
(b) The Rendering of Drapery 92
VII. Animals 109
VIII. Composition 117
(a) Pediments 118
(b) Metopes 125
(c) Continuous Friezes 129
(d) Grave Stelai 132
IX. Technique 135
(a) Materials 135
(b) Methods of Work 140
(c) Color 148
(d) Mounting 158
(e) The Status of Greek Sculptors 159
X. Relief 163
XI. Greek Sculpture Compared with Roman Copies and Modern Forgeries 177
(a) Roman Copies 177
(b) Modern Forgeries 183

II. GREEK SCULPTORS 193
I. Archaic Period 195
II. Transitional Period 197
(a) Kritios 197
(b) Pythagoras 199
(c) Kalamis 201
(d) Myron 205
III. Second Half of Fifth Century B.C. 213
(a) Pheidias 213
(b) Kresilas 231
(c) Alkamenes 235
(d) Agorakritos 238
(e) Kallimachos 240
(f) Paionios 241
(g) Strongylion 243
(h) Polykleitos 244
(i) Followers of Polykleitos 252
IV. Fourth Century B.C. 255
(a) Kephisodotos 255
(b) Praxiteles 257
(c) The Elder Praxiteles 266
(d) The Sons of Praxiteles 266
(e) Skopas 267
(f) Timotheos 274
(g) Bryaxis 279
(h) Thrasymedes 281
(i) Leochares 282
(j) Euphranor 284
(k) Lysippos 285
(l) The School of Lysippos 292
Lysistratos 292
Eutychides 293
Chares 293
V. Third to First Century B.C. 295
Polyeuktos 295
Damophon 296
Boethos 297
Hagesandros, Polydoros, and Athanodoros 297
Agasias 298
Apollonios of Athens 298
Apollonios and Tauriskos of Tralles 299
BIBLIOGRAPHY 301
INDEX TO THE TEXT 311
ILLUSTRATIONS 331
INDEX TO THE ILLUSTRATIONS 607

LIST OF ILLUSTRATIONS

Map of Greece and the Aegean Islands. 4
Map of Southern Italy and Sicily. 8

FIGURES

Unless otherwise stated the material of the sculptures is marble.

1. Bronze head of Beethoven, by Bourdelle. In The Metropolitan Museum of Art.[1] 333
2. Head of Kladeos, from the temple of Zeus at Olympia. In the Museum, Olympia. 333
Buschor and Hamann, *Olympia*, pl. XXXII.
3. Birth of Athena, from a red-figured hydria in the Bibliothèque Nationale, Paris. 333
De Ridder, *Catalogue des vases peints de la Bibliothèque Nationale*, p. 338, fig. 74, published by the Librairie Ernest Leroux.
4. Niobid, from Rome. In the Museo Nazionale delle Terme, Rome. Photograph by Chauffourier. 334
5. Calf-bearer. In the Akropolis Museum, Athens. Photograph by Alinari. 335
6. Back view of Figure 5. From a cast. 335
7. Falling Gladiator, by William Rimmer. In The Metropolitan Museum of Art. 335
8. Head of Acheloos, on a silver tetradrachm of Gela. In the collection of E. T. Newell, New York. 336
9. Horse in a meadow, on a silver Aiginetic drachm of Larisa. In the collection of E. T. Newell, New York. 336
10. Zeus of Aetna, on a tetradrachm of Katane. In the Bibliothèque Royale, Brussels. 336
11. Theseus and the Minotaur, from a red-figured plate in the Louvre. 336
12. Odysseus and Nausikaa, from a red-figured pyxis in the Museum of Fine Arts, Boston. 336
13. Bronze group of Herakles and Pholos (?). In The Metropolitan Museum of Art. 337
14. Terracotta statuette, from Praisos. In The Metropolitan Museum of Art. 337
15. "Apollo," from Boeotia (?). In the British Museum. Photograph by Waterhouse. 337
16. "Apollo," from Sounion. In the National Museum, Athens. 338
17. Youth, from Delphi. In the Museum, Delphi. Photograph by Alinari. 338
18. "Apollo," from Orchomenos. In the National Museum, Athens. Photograph by Hege. 338
19. "Apollo," from Melos. In the National Museum, Athens. 339
20. "Apollo," from Attica. In the National Museum, Athens. Photograph by Hege. 339
21. "Apollo," from Boeotia. In the National Museum, Athens. Photograph by Hege. 339
22. "Apollo," from Tenea. In the Glyptothek, Munich. Photograph by the Neue Photographische Gesellschaft, Steglitz-Berlin. 340
23. "Apollo," from Attica. In the Glyptothek, Munich. 341
24. Bronze statuette of "Apollo." In The Metropolitan Museum of Art. 342
25. Back view of Figure 24. 342
26. Side view of Figure 24. 342
27. Bronze statuette of a dancing girl, from Cyprus. In The Metropolitan Museum of Art. 342
28. "Strangford Apollo." In the British Museum. From a cast. 343
29. Back view of Figure 28. From a cast. 343
30. Youth, from the Akropolis. In the Akropolis Museum, Athens. 344

---

[1] The objects in the Metropolitan Museum have been photographed by Edward Milla, the Museum photographer.

31. Bronze statuette of a disk-thrower, from the Peloponnesos. In The Metropolitan Museum of Art. 344
32. Back view of Figure 31. 344
33. Bronze statuette of a youth. In The Metropolitan Museum of Art. 345
34. Side view of Figure 33. 345
35. Back view of Figure 33. 345
36. "Omphalos Apollo," from Athens. In the National Museum, Athens. 346
37. Back view of Figure 36. Photograph by Alinari. 346
38. "Apollo," from the Tiber. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 346
39. Statuette of Herakles, said to be from Rome. In the Museum of Fine Arts, Boston. Photograph by Kennedy. 347
40. Bronze statuette of a youth, from Cyprus. In The Metropolitan Museum of Art. 347
41. Bronze statuette of a girl, from near Saloniki. In the Museum für antike Kleinkunst, Munich. 347
42. Bronze statuette of a youth. In the Louvre. Photograph by Giraudon. 348
43. Bronze statue of the Idolino. In the Museo Archeologico, Florence. Photograph by Alinari. 349
44. Back view of the same statue. Photograph by Alinari. 349
45. River god Selinos, on a silver tetradrachm of Selinus, in the collection of W. H. Woodward. 56
Drawn from Hill, *Select Greek Coins*, pl. XLI, No. 5, published by G. Van Oest, 3 et 5 rue du Petit-Pont, Paris.
46. Bronze statue of a youth, found in the Bay of Marathon. In the National Museum, Athens. 350
47. Side view of Figure 46. 351
48. Back view of Figure 46. 351
49. Bronze statuette of Aphrodite. In the British Museum. Photograph by Fleming. 352
50. Aphrodite, from Kyrene. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 352
51. Bronze statue of a praying boy. In the Staatliche Museen, Berlin. Photograph by Bard. 353
52. Bronze statuette of Alexander, from Egypt. In the Louvre. Photograph by Giraudon. 353
53. Hermaphrodite, from Pergamon. In the Musées d'Antiquités de Stamboul (Constantinople). 353
54. Satyr. In the Capitoline Museum, Rome. Photograph by Alinari. 353
55. Poseidon, from Melos. In the National Museum, Athens. 354
56. Farnese Herakles, from the Terme di Caracalla, Rome. In the Museo Nazionale, Naples. Photograph by Alinari. 354
57. Bronze statue of a "Hellenistic Prince," from Rome. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 355
58. Bronze statuette of a negro musician, from Châlon-sur-Saône. In the Bibliothèque Nationale, Paris. 356
59. Back view of Figure 58. Photograph by Giraudon. 356
60. Side view of Figure 58. Photograph by Giraudon. 356
61. Seated figure, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 357
62. Figure from Branchidai. In the British Museum. Photograph by Mansell. 357
63. Terracotta statuette, said to be from Tanagra. In The Metropolitan Museum of Art. 357
64. Athena, perhaps by Endoios. In the Akropolis Museum. 357
65. Seated goddess. In the Staatliche Museen, Berlin. Photograph by Bard. 358
66. Athena, from a metope of the temple of Zeus at Olympia. In the Louvre. Photograph by Giraudon. 359
67. Bronze statuette of a lyre-player. In the Hermitage, Leningrad. 359
68. "Penelope." In the Vatican. Photograph by Alinari. 359
69. "Demeter and Persephone," from the eastern pediment of the Parthenon. In the British Museum. 360
70. Back view of Figure 69. 360
71. One of the "Fates," from the eastern pediment of the Parthenon. In the British Museum. 360
72. Bronze statue of Hermes, from Herculaneum. In the Museo Nazionale, Naples. Photograph by Anderson. 361

73. Terracotta statuette. In The Metropolitan Museum of Art. 361
74. Drunken woman. In the Glyptothek, Munich. Photograph by Kaufmann. 361
75. Boy extracting a thorn. From Rome. In the British Museum. 361
76. Gorgon, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 362
77. Nike, from Delos. In the National Museum, Athens. 362
78. Same statue, reconstructed (by Studniczka). From a cast. 362
79. Gorgon. Terracotta relief from Syracuse. In the R. Museo Archeologico, Syracuse. 363
Monumenti Antichi, XXV, 1918, pl. XVI.
80. Bronze statuette of Nike, from the Akropolis. In the National Museum, Athens. 363
81. Bronze statuette of a runner. In The Metropolitan Museum of Art. 363
82. Back view of Figure 81. 363
83. Bronze statuette of Nike. In the British Museum. Photograph by Waterhouse. 364
84. Relief of a warrior, from Athens. In the National Museum, Athens. 364
85. Bronze statuette of a youth running, from Dodona. In the National Museum, Athens. 365
86. Bronze statuette of a girl running, from Albania. In the British Museum. Photograph by Waterhouse. 365
87. Statuette of a running maiden, from Eleusis. In the Museum, Eleusis. 366
88. Figure from the frieze of the Ilissos temple. In the Staatliche Museen, Berlin. 366
89. Figure from Marmaria, Delphi. In the Museum, Delphi. 366
Fouilles de Delphes, IV, pl. LVI.
90. Leto, from the Via Appia(?). In the Palazzo dei Conservatori, Rome. 366
91. "Iris," from the eastern pediment of the Parthenon. In the British Museum. Photograph by Mansell. 367
92. Niobid, from Rome. In the Ny Carlsberg Glyptotek, Copenhagen. Photograph by Bengtsson. 368
93. Running figure. In the Museum der Bildenden Künste, Budapest. 368
94. Bronze statuette of an Eros, from Boscoreale (or Paestum?). In the J. Pierpont Morgan Collection. 368
95. Nike of Samothrake. In the Louvre. Photograph by Braun & Cie. 369
96. Zeus and a giant, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 370
97. Warriors, from the frieze of the Siphnian Treasury. In the Museum, Delphi. Photograph by Alinari. 370
98. Poseidon, on a silver didrachm from Poseidonia. In the collection of E. T. Newell, New York. Enlarged. From a drawing by L. Hall. 65
99. Bronze statuette of Herakles, from Mantineia. In The Metropolitan Museum of Art. 371
100. Bronze statuette of a warrior, from Dodona. In the Staatliche Museen, Berlin. 371
101. Bronze statuette of Zeus, from Dodona. In the Staatliche Museen, Berlin. 372
102. Back view of Figure 101. 372
103. Striding warrior, from the eastern pediment of the temple of Aphaia at Aigina. In the Glyptothek, Munich. Photograph by Kennedy. 373
104. Warrior, from Sparta. In the National Museum, Athens. 374
105. Centaur and Lapith. Metope of the Parthenon. In the British Museum. Photograph by Kennedy. 375
106. Herakles, from the frieze of the temple of Apollo Epikourios at Phigaleia. In the British Museum. 375
107. The Borghese Warrior, by Agasias, from Anzio. In the Louvre. Photograph by Alinari. 376
108. Gaul and his wife. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 376
109. Reclining figure, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 377
110. Reclining figure, from Samos. In the Museum, Samos. Photograph from the German Archaeological Institute, Athens. 377

111. Sarcophagus, said to be from Golgoi, Cyprus. In The Metropolitan Museum of Art. 377
112. Giant, from the pediment of the "Hekatompedon." In the Akropolis Museum, Athens. Photograph by Alinari. 378
113. Warrior, from the western pediment of the temple of Aphaia at Aigina. In the Glyptothek, Munich. From a cast. 378
114. Warrior, from the eastern pediment of the temple of Aphaia at Aigina. In the Glyptothek, Munich. From a cast. 378
115. "Kladeos," from the eastern pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph by Alinari. 379
116. "Alpheios," from the eastern pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph by Alinari. 380
117. Bronze statuette of a giant. In the British Museum. 380
118. Niobid, from Rome. In the Ny Carlsberg Glyptotek, Copenhagen. 380
119. "Ilissos," from the western pediment of the Parthenon. In the British Museum. Photograph by Mansell. 381
120. Dead Gaul. In the Museo Archeologico, Venice. Photograph by Fiorentini. 382
121. Bronze statuette of a sleeping Eros. In The Metropolitan Museum of Art. 382
122. Sleeping Satyr. In the Lateran, Rome. Photograph by Anderson. 382
123. Falling warrior. Detail from the frieze of the Siphnian Treasury. In the Museum, Delphi. From a cast. 383
124. Herakles and Kyknos. Metope of the Athenian Treasury. In the Museum, Delphi. Photograph by Alinari. 383
125. Bronze statuette of Ajax, from Populonia. In the Museo Archeologico, Florence. 384
126. Back view of Figure 125. 384
127. Bronze statuette of a warrior, from Bavai. In the Musée St. Germain-en-Laye. 384
128. Bronze statuette of a falling warrior. In the Museo Civico, Modena. 384
129. Wounded warrior, from a lekythos in the Bibliothèque Nationale, Paris. 68
130. Tityos. Detail of a red-figured krater. In The Metropolitan Museum of Art. 385
131. Centaur and Lapith. Metope of the Parthenon. In the British Museum. 385
132. Bronze statuette of drunken Herakles, said to be from Smyrna. In The Metropolitan Museum of Art. 385
133. Crouching figure, from the eastern pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph by Alinari. 386
134. Crouching figure, from the eastern pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph by Alinari. 386
135. Crouching girl. Terracotta statuette in The Metropolitan Museum of Art. 386
136. Bronze statuette of a youth finishing a jump (?). In The Metropolitan Museum of Art. 386
137. Head from the Dipylon. In the National Museum, Athens. Photograph by Hege. 387
138. Head of Hera, probably from the Heraion at Olympia. In the Museum, Olympia. 387
Treu, *Olympia*, III, pl. I.
139. Head of a Maiden, from Attica. In the Staatliche Museen, Berlin. Photograph by Hege. 387
140. Profile view of Figure 139. Photograph by Hege. 387
141. Head of Chrysaor, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 388
142. Head of the Delphi Youth. In the Museum, Delphi. From a cast. 388
143. Head of a Maiden, No. 679 in the Akropolis Museum, Athens. Photograph by Alinari. 388
144. Head of a Maiden, No. 680 in the Akropolis Museum. From a cast. 388
145. Back of the head of the Delphi Youth. In the Museum, Delphi. From a cast (see fig. 17). 389
146. Detail of the "Sounion Apollo." In the National Museum, Athens. From a cast (see fig. 16). 389

147. Terracotta head. In The Metropolitan Museum of Art. 389
148. Head of an "Apollo," from near Sounion. In The Metropolitan Museum of Art. 389
149. Head of the "Apollo" from Tenea. In the Glyptothek, Munich. From a cast (see fig. 22). 389
150. Head of a Maiden, No. 680 in the Akropolis Museum, Athens. From a cast. 389
151. Head of the "Apollo" from Attica. In the Glyptothek, Munich (see fig. 23). 390
152. Head of the "Apollo" from Sounion. In the National Museum, Athens. From a cast (see fig. 16). 391
153. Head of Chrysaor, from the western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. Photograph from the German Archaeological Institute, Athens. 391
154. The "Rampin head," from Athens. In the Louvre. 391
155. Limestone head of a woman, from Sikyon. In the Museum of Fine Arts, Boston. 391
156. Head of a man, from Aigina or Athens. In the Staatliche Museen, Berlin. Photograph by Hege. 391
157. Terracotta head of a woman. Antefix from a temple at Metaurum, South Italy. In The Metropolitan Museum of Art. 391
158. Head of a youth. In The Metropolitan Museum of Art. 392
159. Head of "La Boudeuse," No. 686 in the Akropolis Museum, Athens. From a cast. 392
160. Demareteion. Silver decadrachm of Syracuse struck in celebration of the victory of Himera. From an electrotype of the original in the British Museum. 392
161. Head of a seated goddess. In the Staatliche Museen, Berlin. Photograph by Bard. 392
162. Head of the bronze statue of a charioteer. In the Museum, Delphi. Photograph by Alinari. 393
163. Head of Apollo, from the western pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph from the German Archaeological Institute, Athens. 393
164. Head of a youth. In the Barracco Museum, Rome. From a cast. 394
165. Head from the Argive Heraion. In the National Museum, Athens. 394
166. Head of a youth. In the Museo Bresciano, Brescia. Photograph by Cappellari. 394
167. Front view of Figure 166. Photograph by Cappellari. 394
168. Head of the bronze statue of the Idolino, from Pesaro. In the Museo Archeologico, Florence. Photograph by Alinari. 394
169. Head of the "Blond Boy," No. 689 in the Akropolis Museum, Athens. From a cast. 394
170. Head of the Hermes by Praxiteles, from Olympia. In the Museum, Olympia. 395
171. Head from a relief. In The Metropolitan Museum of Art. 395
172. Head of the bronze statue of a youth, found in the Bay of Marathon. In the National Museum, Athens. 396
173. Three-quarters view of Figure 172. 396
174. Head from Chios. In the Museum of Fine Arts, Boston. Photograph by Kennedy. 397
175. "Bartlett head," from Athens. In the Museum of Fine Arts, Boston. Photograph by Kennedy. 397
176. Head of Alexander, from the Alexander sarcophagus, found at Sidon. In the Musées d'Antiquités de Stamboul (Constantinople). 398
177. Head of a giant, from the frieze of the great altar at Pergamon. In the Pergamon Museum, Berlin. 398
178. Head of a Gaul. In the Museo Nazionale delle Terme, Rome. Photograph by Anderson. 398
179. Head of Zeus. Cameo in the Museo Archeologico, Venice. 398
180. Head of Medusa. In the Akropolis Museum, Athens. Photograph by Alinari. 399
181. Head of a giant, from a metope of temple F of Selinus. In the Museo Nazionale, Palermo. 399
182. Death of Aigisthos. Relief in the Ny Carlsberg Glyptotek, Copenhagen. 399
183. Head of a rejoicing woman. From a three-sided relief in the Museum of Fine Arts, Boston. Photograph by Kennedy. 400

184. Head of a mourning woman from the relief shown in Figure 183. Photograph by Kennedy. 400
185. Head of Aphrodite(?). Detail of a three-sided relief in the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 401
186. Head of a dying warrior, from the eastern pediment of the temple of Aphaia at Aigina. In the Glyptothek, Munich. Photograph by Kennedy. 401
187. Head of Zeus, from a metope of temple E at Selinus. In the Museo Nazionale, Palermo. 401
188. Head of a Centaur, from the western pediment of the temple of Zeus at Olympia. In the Museum, Olympia. 402
Buschor and Hamann, *Die Skulpturen des Zeustempels zu Olympia*, pl. XLIV.
189. Head of an old woman, from a three-sided relief in the Museum of Fine Arts, Boston. Photograph by Kennedy. 402
190. Head of Marsyas. From a statuette in the British Museum. From a cast (see fig. 592). 402
191. Head of a Lapith, from the western pediment of the temple of Zeus at Olympia. In the Museum, Olympia. 402
Buschor and Hamann, *Die Skulpturen des Zeustempels zu Olympia*, pl. LXX.
192. Head of a Centaur, from a metope of the Parthenon. In the British Museum. From a cast. 402
193. Head of an old warrior, from a krater in The Metropolitan Museum of Art. 402
194. Head of a statue of the type of the "Cassel Apollo" in the Palazzo Vecchio, Florence. 403
Brunn-Bruckmann, Denkmäler, pl. 601, left.
195. Head of an athlete. In The Metropolitan Museum of Art. 404
196. Head of the Niobid in the Museo Nazionale delle Terme, Rome. 404
197. Head of a collapsing Greek, from the frieze of the temple of Apollo Epikourios at Phigaleia. In the British Museum. 405
198. Head of a dying Amazon, from the same frieze as Figure 197. In the British Museum. 405
199. Head of a Centaur, from the same frieze as Figure 197. In the British Museum. 405
200. Head of a woman, from the western pediment of the temple of Zeus at Olympia. In the Museum, Olympia. 405
Buschor and Hamann, *Die Skulpturen des Zeustempels zu Olympia*, pl. XXXIX.
201. Entreating Amazon, from the frieze of the temple of Apollo Epikourios at Phigalcia. In the British Museum. 406
202. Amazon defending herself, from the same frieze as Figure 201. In the British Museum. 406
203. Fallen Centaur, from the same frieze as Figure 201. In the British Museum. 406
204. Dying Amazon, from the same frieze as Figure 201. In the British Museum. 406
205. Detail of the stele of a girl with pigeons, from Paros. In The Metropolitan Museum of Art. 407
206. Relief of the "Mourning Athena." In the Akropolis Museum. 407
207. Head of a girl. In the collection of Henry Goldman, New York. 408
208. Head of an athlete, said to be from Cumae. In The Metropolitan Museum of Art. 408
209. Head of an Amazon. Detail of the frieze of the Mausoleum at Halikarnassos. In the British Muscum. Photograph by Waterhouse. 408
210. Upper part of a stele. In the Staatliche Museen, Berlin. 409
211. Bronze statuette of a mourning woman, from Piedmont. In the Staatliche Museen, Berlin. 409
212. Mourning woman, from Attica. In the Staatliche Museen, Berlin. 409
213. Stele of a youth reading. At Grottaferrata. From a cast. 410
214. Girl spinning. Stele of Mynno, from Attica. In the Staatliche Museen, Berlin. 410
215. Stele of Dexileos. In the Kerameikos, Athens. 410
Brunn-Bruckmann, *Denkmäler*, pl. 438.
216. Weeping Siren. In the Museum of Fine Arts, Boston. Photograph by Kennedy. 411
217. Stele of Plangon, from Oropos. In the National Museum, Athens. 411
218. Sleeping Satyr, from Rome. In the Glyptothek, Munich. Photograph by the Neue Photographische Gesellschaft, Steglitz-Berlin. 412

219. Old market woman, from Rome. In The Metropolitan Museum of Art. 412
220. Terracotta statuette of a negro boy. In the Ashmolean Museum, Oxford. 413
221. Terracotta statuette of a flying Eros. In The Metropolitan Museum of Art. 413
222. Terracotta statuette of an old nurse. In The Metropolitan Museum of Art. 413
223. Bronze statuette of a caricature. In The Metropolitan Museum of Art. 413
224. Head of a dying Persian, from the Palatine. In the Museo Nazionale delle Terme, Rome. Photograph by Anderson. 414
225. Head of the Laokoon, from the Esquiline. In the Vatican. Photograph by Alinari. 414
226. Portrait of a man, on an engraved gem signed by Dexamenos. Said to be from Attica. In the Museum of Fine Arts, Boston. Enlarged *c.* 1:2. From an impression. 415
227. Bronze head of Sokrates. In the Glyptothek, Munich. Photograph by Bruckmann. 415
228. Head of the statue of Maussollos, from Halikarnassos. In the British Museum. Photograph by Macbeth. 415
229. Head of Euripides. In the Vatican. From a cast. 415
230. Portrait head. Detail of a bronze statuette in The Metropolitan Museum of Art (cf. fig. 241). 416
231. Side view of Figure 230. 416
232. Head of Chrysippos. In The Metropolitan Museum of Art. 416
233. Portrait head in the collection of Lord Melchett, London. 416
Burlington Fine Arts Club, *Ancient Greek Art*, 1904, pl. XXV.
234. Portrait of Demetrios, son of Euthydemos, king of Baktria (*c.* 190 B.C.). On a silver tetradrachm in the collection of E. T. Newell, New York. Enlarged *c.* 1:2. 417
235. Portrait of Philetairos, ruler of Pergamon (284–263 B.C.; struck by his successor). On a silver tetradrachm in the collection of E. T. Newell, New York. Enlarged *c.* 1:2. 417
236. Portrait of Eukratides, king of Baktria and India (*c.* 190–160 B.C.). On a silver tetradrachm in the collection of E. T. Newell, New York. Enlarged *c.* 1:2. 417
237. Portrait of Antiochos I, Soter, king of Syria (281–261 B.C.). On a silver tetradrachm in the collection of E. T. Newell, New York. Enlarged *c.* 1:2. 417
238. Portrait of Seleukos I, king of Syria (312–281 B.C.). On a silver tetradrachm in the collection of E. T. Newell, New York. Enlarged *c.* 1:2. 417
239. Head of Homer. In the Museum of Fine Arts, Boston. 418
240. Bronze portrait head, from Delos. In the National Museum, Athens. 418
241. Bronze portrait statuette. In The Metropolitan Museum of Art. 419
242. Statue of Poseidippos, from Rome. In the Vatican. Photograph by Alinari. 419
243. Archaic chiton with sleeve-openings on sides. 88
Bieber, *Der Chiton der Ephesischen Amazonen, Jahrbuch*, 1918, XXXIII, p. 50, fig. 1 b.
244. Classical chiton with sleeve-openings on upper edge. 89
Heuzey, *Histoire du costume antique*, p. 62, fig. 29.
245. Theseus, on a kylix in the Louvre. 420
Furtwängler und Reichhold, *Griechische Vasenmalerei*, I, pl. V, published by F. Bruckmann A.-G.
246. Euphorbos carrying the infant Oidipous, from an amphora in the Bibliothèque Nationale, Paris. 420
247. Detail of the Parthenon frieze. From a cast made for Lord Elgin, now in the British Museum. The original is in situ. 420
Smith, *Sculptures of the Parthenon*, pl. LXVI.
248. Boy holding himation. On a kylix in the Staatliche Museen, Berlin. 420
249. Sophokles, said to be from Terracina. In the Lateran, Rome. Photograph by Alinari. 421
250. Living model wearing himation. 421
Heuzey, *Histoire du costume antique*, p. 103, fig. 54.
251. Youth wearing a chlamys. Drawing from a Greek vase. 421
Heuzey, *Histoire du costume antique*, p. 124, fig. 63.
252. Living model wearing a chlamys. 421

Heuzey, *Histoire du costume antique*, p. 125, fig. 64.

253. Chlamys. 90

Heuzey, *Histoire du costume antique*, p. 44, fig. 22.

254. Detail of a kylix in the British Museum. 422

Furtwängler und Reichhold, *Griechische Vasenmalerei*, I, pl. XXIII, published by F. Bruckmann A.-G.

255. Bronze mirror support. In the Museum of Fine Arts, Boston. 422

256. Terracotta statuette, from Greece. In The Metropolitan Museum of Art. 422

257. Back of the Hestia Giustiniani. In the Museo Torlonia, Rome. From a cast. 422

258. Grave relief of Myttion. In Broom Hall, Dunfermline, Scotland. 423

Conze, *Attische Grabreliefs*, No. 819, pl. CLVI, published by Walter de Gruyter and Company.

259. Amazon. Detail of an oinochoë in The Metropolitan Museum of Art. 423

260. Bronze statue of a dancing girl, from Herculaneum. In the Museo Nazionale, Naples. 423

261. Living model wearing a Doric chiton. 423

Heuzey, *Histoire du costume antique*, p. 189, fig. 92.

262. Female statue, formerly in Auxerre. In the Louvre. 424

263. Statue dedicated by Nikandre at Delos. In the National Museum, Athens. Photograph by Alinari. 424

264. Chares, from Branchidai. In the British Museum. From a cast. 424

265, 266. Sculptures from the bases of columns, from the temple of Artemis at Ephesos. In the British Museum. Photographs by Mansell. 425

267. Maiden, from Attica. In the Staatliche Museen, Berlin. 426

268. Side view of Figure 267. 426

269. Back view of Figure 267. 426

270. Maiden. In the Akropolis Museum, Athens, No. 679. From a cast. 427

271. Maiden. In the Akropolis Museum, Athens, No. 680. From a cast. 427

272. Maiden. In the Akropolis Museum, Athens, No. 674. From a cast. 427

273. Maiden, perhaps by Antenor. In the Akropolis Museum, Athens. Photograph from the German Archaeological Institute, Athens. 428

274. Back of a maiden, from Paros. In The Metropolitan Museum of Art. 428

275. Part of a relief of a charioteer. In the Akropolis Museum, Athens. Photograph by Alinari. 429

276. Relief of Hermes. In the Akropolis Museum, Athens. 429

277. Detail of an amphora in The Metropolitan Museum of Art. 430

278. Detail of an oinochoë in The Metropolitan Museum of Art. 430

279. Detail of an amphora in the Museum für antike Kleinkunst, Munich. 430

Furtwängler und Reichhold, *Griechische Vasenmalerei*, II, pl. LXXXI, published by F. Bruckmann A.-G.

280. Scene from an alabastron in the British Museum. 430

Journal of Hellenic Studies, 1887, pl. 82.

281. Athena, from the western pediment of the temple of Apollo Daphnephoros at Eretria. In the Museum, Chalkis. 431

Antike Denkmäler, III, pl. 29.

282. Peleus and Thetis, from a kylix in the Staatliche Museen, Berlin. 431

Hartwig, *Meisterschalen*, pl. XXIV, published by Walter de Gruyter and Company.

283. Relief from a statue base found in Athens. In the National Museum, Athens. 431

284. Theseus and Antiope, from the western pediment of the temple of Apollo Daphnephoros at Eretria. In the Museum, Chalkis. Photograph from the German Archaeological Institute, Athens. 432

285. Bronze statue of a charioteer. In the Museum, Delphi. Photograph from the German Archaeological Institute, Athens. 432

286. Large terracotta statuette, from the Aventine. In The Metropolitan Museum of Art. 432

287. Maenads, on a kylix. In the Staatliche Museen, Berlin. 433

288. Detail of a kylix. In The Metropolitan Museum of Art. 433

289. Detail from a three-sided relief, from Rome. In the Museo Nazionale delle Terme, Rome. 433

290. Detail of a kylix. In the Museum of Fine Arts, Boston. 98

Hartwig, *Meisterschalen*, pl. XXI, published by Walter de Gruyter and Company.

291. Maidens marching in procession, from the Parthenon frieze. In the Louvre. Photograph from *Les Ar-*

chives Photographiques d'Art et d'Histoire. 434
292. Two of the "Fates" from the eastern pediment of the Parthenon. In the British Museum. Photograph by Mansell. 434
293. Seated deities. Detail from the frieze of the "Theseion." In situ. From a cast. 435
294. Stele of a woman, from Attica. In The Metropolitan Museum of Art. 435
295. Battle of the Greeks and Persians, from the frieze of the temple of Athena Nike on the Akropolis. In the British Museum. Photograph by Mansell. 436
296. Group from the frieze of the Erechtheion. In the Akropolis Museum, Athens. 436
297. Standing deities from the frieze of the temple of Athena Nike on the Akropolis. In situ. From a cast. 436
298. Contest of Greeks and Amazons, from the frieze of the temple of Apollo Epikourios at Phigaleia. In the British Museum. Photograph by B. Ashmole. 437
299. Contest of Centaurs and Lapiths, from the same frieze as Figure 298. In the British Museum. Photograph by B. Ashmole. 437
300. Metope of the temple of Apollo Epikourios at Phigaleia. In the British Museum. Photograph by B. Ashmole. 437
301. Metope of the same temple as Figure 300. In the British Museum. Photograph by B. Ashmole. 437
302. Nereid from the Nereid monument, from Xanthos. In the British Museum. Photograph by Mansell. 438
303. Back view of the same statuette as Figure 302. Photograph by Waterhouse. 438
304. Nereid from the Nereid monument. In the British Museum. Photograph by Mansell. 438
305. Nike found on the Palatine. On the Palatine, Rome. 438
306. Stele of Glykylla, said to be from Thebes. In the British Museum. 439
307. Amymone, from a lekythos in The Metropolitan Museum of Art. 439
308. Medea and the daughters of Pelias, from Rome. In the Lateran, Rome. 439
309. Scene from an oinochoë in The Metropolitan Museum of Art. 439
310. The nymph Terina, on a silver didrachm of Terina. In the Morgan Loan Collection, American Numismatic Society. Enlarged. From a cast. 440
311. Aphrodite, on a silver Persic stater of Aphrodisias(?). In the British Museum. Enlarged. From a cast. 440
312. Dancing women from the Delphian column. In the Museum, Delphi. Photograph by Alinari. 440
313. Artemisia, from the Mausoleum at Halikarnassos. In the British Museum. Photograph by Mansell. 441
314. Maussollos, from the Mausoleum at Halikarnassos. In the British Museum. Photograph by Macbeth. 441
315. Demeter, from Knidos. In the British Museum. Photograph by Mansell. 441
316. Sarcophagus of Mourning Women, from Sidon. In the Musées d'Antiquités de Stamboul (Constantinople). 442
317. Stele of Lysistrate, said to be from Salamis. In The Metropolitan Museum of Art. 442
318. Draped woman. Bronze statuette in the Bibliothèque Nationale, Paris. Photograph by Giraudon. 443
319. Athena, from a metope of the temple of Zeus at Olympia. In the Museum, Olympia. 443
320. Draped woman, from Rome. In the Ny Carlsberg Glyptotek, Copenhagen. Photograph by Bengtsson. 443
321. Back view of Figure 320. Photograph by Bengtsson. 443
322. "Athena Medici." In the Louvre. Photograph by Giraudon. 444
323. Athena. In the Museo Archeologico, Venice. Photograph by Fiorentini. 444
324. Draped woman. In the Museo Archeologico, Venice. Photograph by Fiorentini. 444
325. Draped woman, from Eleusis. In the Museum, Eleusis. Photograph by Alinari. 444
326. Detail from the frieze of the Heroön of Gjölbaschi. In the Kunsthistorisches Museum, Vienna. From a cast. 445
327. Draped woman. In the Museo Ar-

cheologico, Venice. Photograph by Fiorentini. 445
328. Detail from a drum of the temple of Artemis at Ephesos. In the British Museum. Photograph by Waterhouse. 445
329. Draped woman. In the Museo Archeologico, Venice. Photograph by Fiorentini. 445
330. Nike of Brescia. Bronze statue in the Museo Bresciano, Brescia. 446
331. Themis, from Rhamnous. In the National Museum, Athens. 446
332. Torso of a draped woman, from Rome or its vicinity. In the Museum of Fine Arts, Boston. Photograph by Coolidge. 447
333. Bronze portrait statue, said to be from Brindisi. In the British Museum. 447
Walters, *Select Bronzes*, pl. 65.
334. Nyx, from the frieze of the great altar of Pergamon. In the Pergamon Museum, Berlin. 447
Altertümer von Pergamon, III_2, pl. XVII.
335. Eos, from the same frieze as Figure 334. In the Pergamon Museum, Berlin. From a cast. 447
336. Girl from Anzio. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 448
337. Polyhymnia, from near Frascati. In the Staatliche Museen, Berlin. Photograph by Bard. 448
338. Draped woman, from the Giustiniani Collection. In The Metropolitan Museum of Art. 448
339. Statue signed by Zeuxis, from Rome. In The Metropolitan Museum of Art. 449
340. Limestone lion, from Perachora. In the Museum of Fine Arts, Boston. 450
341. Back view of Figure 340. 450
342. Lion. In the Staatliche Museen, Berlin. Photograph by Hege. 450
343. Lion, from a metope of the temple of Zeus at Olympia. In the Louvre. Photograph by Giraudon. 451
344. Lion, from Rome. In The Metropolitan Museum of Art. 451
345. Detail of Figure 344. 452
346. Lion, from the Mausoleum of Halikarnassos. In the British Museum. 452
347. Frieze of horsemen, from Prinias. In the Candia Museum, Crete. 452
348. Horse. In the Akropolis Museum, Athens. From a cast. 453
349. Detail of Figure 350. 453
350. Large bronze statuette of a horse. In The Metropolitan Museum of Art. 453
351. Head of the horse of Selene, from the eastern pediment of the Parthenon. In the British Museum. 454
352. Horse, from the chariot group of the Mausoleum of Halikarnassos. In the British Museum. 454
353. Relief of a horseman, from Rhodes. In The Metropolitan Museum of Art. 454
354. Bronze statuette of a cow, from Delphi. In the Museum, Delphi. 455
355. Herakles and the Cretan bull. Metope of the temple of Zeus at Olympia. In the Louvre. Photograph by Giraudon. 455
356. Cow, from the Parthenon frieze. In the Akropolis Museum, Athens. Photograph by Alinari. 456
357. Bronze statuette of a cow, from Herculaneum. In the Bibliothèque Nationale, Paris. Photograph by Giraudon. 456
358. Boar. Metope of the "Sikyonian" Treasury at Delphi. In the Museum, Delphi. 457
Fouilles de Delphes, IV, pl. III, No. 2.
359. Boar. In the Uffizi Gallery, Florence. Photograph by Alinari. 457
360. Bronze statuette of a goat, from Greece. In the British Museum. Photograph by Waterhouse. 458
361. Bronze statuette of a goat, said to be from Asia Minor. In The Metropolitan Museum of Art. 458
362. Bronze statuette of a goat, from Sierre, Valais. In the Musée d'Art et d'Histoire, Geneva. 458
363. Butting goats. Finial of a grave stele. In the National Museum, Athens. From a cast. 458
364. Child with hound. Engraved carnelian in The Metropolitan Museum of Art. From an impression. 459
365. Dog. In the Barracco Museum, Rome. 459
366. "Mastiff." In the Uffizi Gallery, Florence. Photograph by Alinari. 459
367. Hound, of serpentine, from the Esquiline. In the Palazzo dei Conservatori, Rome. 459

368. Eagle devouring a hare, on a silver tetradrachm of Akragas (*c.* 415–406 B.C.). In The Metropolitan Museum of Art. Enlarged 1:2. 460
369. Head of an eagle, on a silver Aiginetic stater of Elis (421–400 B.C.). In The Metropolitan Museum of Art. Enlarged 1:2. 460
370. Swan preening its wings, on a silver tetradrachm of Klazomenai (387–367 B.C.). In the British Museum. Enlarged 1:2. From a cast. 460
371. Heron, on an engraved chalcedony. In the Museum of Fine Arts, Boston. Enlarged 1:2. From an impression. 460
372. Crab, on a silver tetradrachm of Akragas (*c.* 472–450 B.C.). In the British Museum. Enlarged 1:2. From a cast. 460
373. Bee, on a silver tetradrachm of Ephesos (*c.* 387–295 B.C.). In the Museum of Fine Arts, Boston. Enlarged 1:2. From a cast. 460
374. The western pediment of the temple of Artemis at Corfu. In the Museum, Corfu. From a drawing. 461
375. The "Theseion" in Athens. 461
376. Contest of Herakles and the Hydra. Limestone pediment in the Akropolis Museum, Athens. From a water-color by E. Gilliéron. 462
377. Two lions devouring a bull. Limestone pediment in the Akropolis Museum, Athens. From a water-color by E. Gilliéron. 462
378. Three-headed monster. Portion of a limestone pediment in the Akropolis Museum, Athens. From a water-color by E. Gilliéron. 463
379. Herakles and Triton. Portion of a limestone pediment in the Akropolis Museum, Athens. From a water-color by E. Gilliéron. 463
380. Introduction of Herakles to Olympos. Portion of a limestone pediment in the Akropolis Museum, Athens. From a water-color by E. Gilliéron. 464
381. Eastern pediment of the temple of Apollo at Delphi. In the Museum, Delphi. 464
Fouilles de Delphes, II, fig. 83.
382. Apollo and Herakles contesting for the Delphic tripod. Pediment of the Siphnian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 465
383. Contest of gods and giants. Limestone pediment of the Megarian Treasury at Olympia. In the Museum, Olympia. Photograph by Alinari. 465
384. Lion devouring a hind, from the eastern pediment of the temple of Apollo at Delphi. In the Museum, Delphi. Photograph by Alinari. 466
385. Giant, from the pediment of the "Hekatompedon." In the Akropolis Museum, Athens. 466
386. Female figure, from the eastern pediment of the temple of Apollo at Delphi. In the Museum, Delphi. 466
Fouilles de Delphes, IV, pl. 34.
387. Athena, from the western pediment of the temple of Apollo at Delphi. In the Museum, Delphi. 466
Fouilles de Delphes, IV, pl. 36.
388. Western pediment of the temple of Aphaia at Aigina. Reconstruction by A. Furtwängler, in the Glyptothek, Munich. 467
389. Eastern pediment of the same temple. Reconstruction by A. Furtwängler, in the Glyptothek, Munich. 467
390. Preparation for the chariot race between Pelops and Oinomaos. Reconstruction of the eastern pediment of the temple of Zeus at Olympia (by Studniczka). In the Museum, Olympia. 468
391. Combat of Centaurs and Lapiths. Reconstruction of the western pediment of the same temple (by Treu). In the Museum, Olympia. 468
392. Middle portion of the western pediment of the temple of Zeus at Olympia, as reconstructed by Treu. 469
393. Middle portion of the eastern pediment of the temple of Zeus at Olympia, as reconstructed by Wernicke. 469
394. Contest of Athena and Poseidon. Left portion of the western pediment of the Parthenon as drawn in 1674. Remaining fragments in the British and Akropolis Museums. 470
395. Right portion of the same pediment as drawn in 1674. Remaining fragments in the British and Akropolis Museums. 470
396. Birth of Athena. Left and right ends of the eastern pediment of the Par-

thenon as drawn in 1674. Remaining fragments in the British and Akropolis Museums. 471
397. Pediment of the Nereid monument of Xanthos. In the British Museum. 472
398. Pediment of the sarcophagus of Mourning Women, from Sidon. In the Musées d'Antiquités de Stamboul (Constantinople). 472
399. Pediment of the Alexander sarcophagus, from Sidon. In the Musées d'Antiquités de Stamboul (Constantinople). 473
Hamdy Bey and Th. Reinach, *Une Nécropole royale à Sidon*, pl. XXXVII, published by the Librairie Ernest Leroux.
400. Pediment of the other end of the Alexander sarcophagus. 473
Hamdy Bey and Th. Reinach, *Une Nécropole royale à Sidon*, pl. XXXVI, published by the Librairie Ernest Leroux.
401. Seated goddesses. Metope of the temple at Thermos. In the National Museum, Athens. From a water-color by E. Gilliéron. 474
402. Perseus. Metope of the temple at Thermos. In the National Museum, Athens. From a water-color by E. Gilliéron. 474
403. Reconstruction of the east side of the temple at Assos. 474
Clarke, Bacon, and Koldewey, *Investigations at Assos*, p. 145.
404. Dioskouroi and the sons of Alphareos. Metope of the "Sikyonian" Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 475
405. Perseus cutting off the head of Medusa. Metope of temple C at Selinus. In the Museo Nazionale, Palermo. Photograph by Alinari. 475
406. Herakles and the Kerynean hind. Metope of the Athenian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 476
407. Theseus and the Minotaur. Metope of the Athenian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 476
408. Athena and Theseus. Metope of the Athenian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 477
409. Contest of warriors. Metope of the Athenian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 477
410. Zeus and Hera. Metope of temple E at Selinus. In the Museo Nazionale, Palermo. Photograph by Alinari. 478
411. Artemis and Aktaion. Metope of temple E at Selinus. In the Museo Nazionale, Palermo. Photograph by Alinari. 478
412. Herakles and an Amazon. Metope of temple E at Selinus. In the Museo Nazionale, Palermo. Photograph by Alinari. 479
413. Athena and a giant. Metope of temple E at Selinus. In the Museo Nazionale, Palermo. Photograph by Alinari. 479
414. Herakles and Atlas. Metope from the temple of Zeus at Olympia. In the Museum, Olympia. 480
Buschor and Hamann, *Die Skulpturen des Zeustempels zu Olympia*, pl. LXXXIV.
415. Lapith and Centaur. Metope of the Parthenon. In the British Museum. 480
416. Centaur and Lapith. Metope of the Parthenon. In the British Museum. 481
Smith, *Sculptures of the Parthenon*, pl. 22, No. 2.
417. Theseus and Kerkyon. Metope of the "Theseion" in Athens. In situ. 481
418. Battle of the gods and giants. Portion of the frieze of the Siphnian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 481
419. Seated deities. Portion of the frieze of the Siphnian Treasury at Delphi. In the Museum, Delphi. 482
Fouilles de Delphes, IV, pl. XI, No. 1.
420. Portion of the frieze of the Ilissos temple. In the Staatliche Museen, Berlin. 482
Antike Denkmäler, III, pl. 36 D.
421. Warriors, from the frieze of the Heroön of Gjölbaschi. In the Kunsthistorisches Museum, Vienna. 482
422. Warriors, from the same frieze as Figure 421. In the Kunsthistorisches Museum, Vienna. 482
423. Stele of a brother and sister, from Attica. In The Metropolitan Museum of Art. 483
424. Stele of Aristion, from Attica, by Aristokles. In the National Museum, Athens. 483
425. Stele from Orchomenos, by Alxenor. In the National Museum, Athens. 483

426. Girl with pigeons. Stele from Paros. In The Metropolitan Museum of Art. 484
427. Girl with a casket. Stele in the Staatliche Museen, Berlin. 485
428. Stele of Sostrate, said to be from Attica. In The Metropolitan Museum of Art. 485
429. Stele of Hegeso, from the Kerameikos. In the National Museum, Athens. Photograph by Alinari. 486
430. Bronze foundry. Drawing from a kylix in the Staatliche Museen, Berlin. 487
Blümner, *Gewerbe und Künste*, IV, pl. 5, fig. 50.
431. Athena modeling a horse. From an oinochoë in the Staatliche Museen, Berlin. 487
Annali dell' Instituto, 1880, pl. K.
432. Ivory foot. In The Metropolitan Museum of Art. 488
433. Ancient unfinished head. In a private collection in Paris. 488
434. Modern armature. 488
435. Modern unfinished head, with clay model. 488
436. Dionysos and a Satyr, from Athens. Unfinished group in the National Museum, Athens. Photograph by Alinari. 489
437. Unfinished statue of a woman, from Rheneia. In the National Museum, Athens. Photograph by Alinari. 489
438. Backs of stelai. In the Kerameikos, Athens. Photograph by W. B. Dinsmoor. 489
439. Mallet and chisel. Votive relief in The Metropolitan Museum of Art. 490
440. Modern mallet and chisel. 490
441. Modern rounded, straight, pointed, and dentated chisels. 490
442. Back of the Athena from the pediment of the temple of Apollo Daphnephoros at Eretria. In the Museum, Chalkis. From a cast. 491
443. Head of a girl, said to be from Taranto. In The Metropolitan Museum of Art. 491
444. Back of the Hermes by Praxiteles. In the Museum, Olympia. From a cast. 491
445. Statue signed by Zeuxis. In The Metropolitan Museum of Art. 491
446. Head of a girl, from Chios. In the Museum of Fine Arts, Boston. Photograph by Kennedy. 492
447. Head from a stele, said to be from Megara. In The Metropolitan Museum of Art. 492
448. Girl, from Laurion. In The Metropolitan Museum of Art. 492
449. Side view of Figure 448. 492
450. Bronze head in the Ny Carlsberg Glyptotek, Copenhagen. 493
451. Bronze bust of Caligula(?). In The Metropolitan Museum of Art. 493
452. Head of a youth. In the Akropolis Museum, Athens. 493
Athenische Mitteilungen, 1882, pl. IX.
453. Hermes and a Nymph. Detail of a relief from Thasos, in the Louvre. 493
Brunn-Bruckmann, *Denkmäler*, pl. 61.
454. Bronze plate with eyelashes, for insertion in a statue. In the Museum, Delphi. 147
Fouilles de Delphes, V, p. 43, fig. 131.
455. Reconstruction of the Paionios Nike at Olympia, photographed at the original angle. In the Museum, Olympia. 494
456. Reconstruction of the Paionios Nike at Olympia, photographed level with the ground. 494
457. Limestone base of a statue. In The Metropolitan Museum of Art. 494
458. View of the top of Figure 457. 494
459. Head, from the Esquiline. In the British Museum. 495
460. Fragment of a terracotta head. In The Metropolitan Museum of Art. 495
461. Votive relief, from Eleusis. In the Museum, Eleusis. 495
Rodenwaldt, *Die Kunst der Antike*, pl. XXII.
462. Ashurbanipal and his queen feasting in a garden. Limestone relief from Nineveh. In the British Museum. 496
463. Egyptian sculptor's model. In The Metropolitan Museum of Art. 496
464. Warrior. Unfinished relief from Naukratis. In the British Museum. 497
465. Orestes and Elektra(?). Relief from Sparta. In the Museum, Sparta. 497
Brunn-Bruckmann, *Denkmäler*, pl. 226, left.
466. Women dancing. Relief from Branchidai. In the British Museum. Photograph by Waterhouse. 498
467. Unfinished portion of the "Fourth Frieze" of the Nereid monument,

from Xanthos, Lycia. In the British Museum. 498

468. "Ancestor relief," from Sparta. In the Staatliche Museen, Berlin. Photograph by Bard. 499

469. Ball-player, from a statue base from Athens. In the National Museum, Athens. 499

470. Detail of a stele. In The Metropolitan Museum of Art. 499

471. Javelin-thrower, from a psykter by Oltos. In The Metropolitan Museum of Art. From a drawing. 168

472. Deity receiving a helmet. Relief from the "Harpy Tomb" from Xanthos, Lycia. In the British Museum. Photograph by Mansell. 500

473. Deity receiving a dove. Relief from the same tomb as Figure 472. In the British Museum. Photograph by Mansell. 500

474–476. Birth of Aphrodite(?). Three-sided relief from Rome. In the Museo Nazionale delle Terme, Rome. Photographs by Alinari. 501

477–479. Subject uncertain. Three-sided relief from Rome. In the Museum of Fine Arts, Boston. Photographs by Kennedy. 502

480. Stele of an athlete. In the Vatican. Photograph by Anderson. 503

481. Demeter, Persephone, and Triptolemos. Relief from Eleusis. In the National Museum, Athens. 503

482. Satyr, from a krater by the Pan painter. In The Metropolitan Museum of Art. Drawn by L. Hall. 504

483. Satyr, from a kantharos by the Brygos painter. In The Metropolitan Museum of Art. From a drawing by L. Hall. 504

484. Youth, from an oinochoë by the Berlin painter. In The Metropolitan Museum of Art. Drawn by L. Hall. 505

485. Satyr, from a skyphos by the Penthesileia painter. In The Metropolitan Museum of Art. 505

486. Procession of horsemen, from the Parthenon frieze. In the British Museum. Photograph by Mansell. 506

487. Athena mounting a chariot, from the western frieze of the Siphnian Treasury at Delphi. In the Museum, Delphi. Photograph by Alinari. 506

488. Poseidon, Apollo, and Artemis, from the Parthenon frieze. In the Akropolis Museum, Athens. Photograph by Alinari. 507

489. Hermes, Dionysos, Demeter, and Ares, from the Parthenon frieze. In the British Museum. Photograph by Mansell. 507

490. Procession of tributaries, from the "Third Frieze" of the Nereid monument. From Xanthos, Lycia. In the British Museum. 508

491. Frieze from the Lysikrates monument. In situ in Athens. 508

492. Hunting scene, from the "Third Frieze" of the Nereid monument. From Xanthos, Lycia. In the British Museum. 508

493. Poseidon pursuing Amymone, from a lekythos by the painter of the Boston phiale. In The Metropolitan Museum of Art. 509

494. Stele of an athlete, from Sounion. In the National Museum, Athens. Photograph from the German Archaeological Institute, Athens. 509

495. Farewell scene, from a grave lekythos. In The Metropolitan Museum of Art. 510

496. Relief from a grave lekythos. In the Museum of Fine Arts, Boston. 510

497. Bronze statue of a dancer, from Herculaneum. In the Museo Nazionale, Naples. 511

498. "Chiaramonti" Niobid, from near Tivoli. In the Vatican. 511

499. Back view of the Eirene. In the Glyptothek, Munich. 511

500. Detail of one of the "Fates," from the eastern pediment of the Parthenon. In the British Museum. From a cast. 512

501. "Barberini Suppliant." In the Barberini Palace, Rome. From a cast. 512

502. Karyatid, from the Porch of the Maidens of the Erechtheion. In the British Museum. 512

503. Roman copy of the Erechtheion karyatid. Said to be from Rome. In the Vatican. 512

504. Nike adjusting her sandal, from the "Balustrade" of the temple of Athena Nike on the Akropolis. In the Akropolis Museum, Athens. 513

505. Detail from a Neo-Attic relief. In the Glyptothek, Munich. 513
Brunn-Bruckmann, *Denkmäler*, pl. 342.

506. Nike. Detail from a slab of the

"Balustrade" of the temple of Athena Nike. In the Akropolis Museum, Athens. 513

507. A sacrifice of a bull, from near Lanuvium. Detail from a Neo-Attic relief in the Vatican. 513

508. Head of Ariadne(?), from the south slope of the Akropolis. In the National Museum, Athens. 514
Brunn-Bruckmann, *Denkmäler*, pl. 174, left.

509. Roman copy of Figure 508. In the Staatliche Museen, Berlin. 514
Brunn-Bruckmann, *Denkmäler*, pl. 174, right.

510. Demeter and Persephone, Roman version of figure 481. In The Metropolitan Museum of Art. 514

511. Roman copy of Figure 512, from Eleusis. In the National Museum, Athens. From a cast. 515

512. Head of Eubouleus, from Eleusis. In the National Museum, Athens. Photograph by Alinari. 515

513. Maenads from a pyxis in the National Museum, Athens. 516
Stackelberg, *Gräber der Hellenen*, pl. XXIV.

514. Maenads. Relief from a Neo-Attic vase, said to be from near Rome. In The Metropolitan Museum of Art. 516

515. Relief from a Neo-Attic altar. In the Prado, Madrid. Photograph by Bruckmann. 517

516. Dancers from the frieze of the Heroön of Gjölbaschi. In the Kunsthistorisches Museum, Vienna. 517

517. Neo-Attic Relief. In the Vatican. 517

518. Archaistic Artemis, from Pompeii. In the Museo Nazionale, Naples. Photograph by Alinari. 518

519. Archaistic Artemis, from near Castiglione della Pescaia. In the Museo Archeologico, Florence. 518

520. Archaistic Artemis, said to be from Rome or Aquileia. In the Museo Archeologico, Venice. Photograph by Fiorentini. 518

521. Youth by Stephanos, found outside the Porta Salaria. In the Albani Collection, Rome. 519
Brunn-Bruckmann, *Denkmäler*, pl. 301, left.

522. Archaistic bronze statuette. In the Bibliothèque Nationale, Paris. Photograph by Giraudon. 519

523. Archaistic bronze statuette, from Verona. In the British Museum. 519

524. Archaic bronze statuette, from Corinth. In the National Museum, Athens. 519

525. Head of a fallen warrior of the eastern pediment of the temple of Aphaia at Aigina. In the Glyptothek, Munich. Photograph by Kennedy. 520

526. Modern forgery copied from Figure 525. In The Metropolitan Museum of Art. 520

527, 528. Marble head of "Sappho." In the Ny Carlsberg Glyptotek, Copenhagen. 521
Arndt, *La Glyptothèque Ny Carlsberg*, pl. 43, published by F. Bruckmann A.-G.

529, 530. Modern forgery of a bronze head in the style of Figures 527 and 528. 521
Furtwängler, Neuere Fälschungen von Antiken, p. 24, figures 19, 20.

531. Archaic head of a maiden, from Boeotia. In the National Museum, Athens. Photograph by Hege. 522

532. Modern forgery copied from Figure 531. 522

533. Archaistic head of Athena. In The Metropolitan Museum of Art. 523

534. Modern forgery copied from Figure 533. 523
W. de Grüneisen, *Art Classique, Exposition Galerie Bing*, Paris, pl. V, published by G. Van Oest, 3 et 5 rue du Petit-Pont, Paris.

535. Head of the Aphrodite of Melos. In the Louvre. Photograph by Giraudon. 523

536. Modern forgery in the style of Figure 535. 523

537. Greek head of a girl. In The Metropolitan Museum of Art. 524

538. Plaster cast of Figure 537, showing puntelli for reproduction. 524

539. Modern forgery copied from Figure 537 with the help of the plaster cast Figure 538. 524

540. Modern forgery. Side view of Figure 539. 524

541. Modern forgery of an archaic maiden. 525

542. Back view of Figure 541. 525

543. Side view of Figure 541. 525

544. Side view of the archaic Kore, No. 674 in the Akropolis Museum, Athens. From a cast. 525

545. Greek terracotta statuette of Nike, from Myrina(?). In The Metropolitan Museum of Art. 526

546. Modern forgery of a Greek terra-

cotta statuette. In The Metropolitan Museum of Art. 526
547. Greek terracotta statuette of a girl. In The Metropolitan Museum of Art. 526
548. Modern forgery of a Greek terracotta statuette. In The Metropolitan Museum of Art. 526
549. Modern forgery of a Greek terracotta statuette. In The Metropolitan Museum of Art. 527
550. Greek stele of a girl with mirror. In the Museum of Fine Arts, Boston. 527
551. Modern forgery of a Greek terracotta statuette. In The Metropolitan Museum of Art. 527
552. Amymone. Greek engraved sardonyx. In the Staatliche Museen, Berlin. 527
Furtwängler, *Antike Gemmen*, pl. XXX, 29.
553. Amymone. Modern engraved carnelian. In The Metropolitan Museum of Art. 527
554. Modern forgery of a Greek stele. In the storerooms of the Staatliche Museen, Berlin. 528
555. Modern forgery of a Greek stele. In the storerooms of the Staatliche Museen, Berlin. 528
556. Modern forgery of a Greek stele. In the Barracco Museum, Rome. Photograph by Alinari. 529
557. Pendant of the Greek bracelet shown in Figure 558. 529
558. Greek silver bracelet with Satyr pendant, said to be from Olbia. In The Metropolitan Museum of Art. 530
559. Modern forgery of a Greek bracelet in gold, copied from the bracelet shown in Figure 558. 530
560. Apollo, perhaps by Kalamis, on a silver drachm of Apollonia (first half of II century B.C.). In the Staatliche Museen, Berlin. Enlarged 1:2. 531
Pick, *Jahrbuch*, 1898, pl. 10, No. 28.
561. Hermes Kriophoros, perhaps by Kalamis, on a bronze coin of Tanagra (Roman Imperial period). In the British Museum. Enlarged *c.* 1:2. From a cast. 531
562. Zeus, perhaps by Ageladas, on a silver tetradrachm of Messene (280–146 B.C.). In the British Museum. Enlarged *c.* 1:2. 531
Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. P, No. V.
563. Apollo killing the serpent, on a silver didrachm of Kroton (440–400 B.C.). In the Staatliche Museen, Berlin. Enlarged *c.* 1:2. From a cast. 531
564. Philoktetes, on an engraved agate in the Louvre. Enlarged. 531
Furtwängler, *Antike Gemmen*, pl. XXXI, No. 10.
565. Marble head of Harmodios. In The Metropolitan Museum of Art. 532
566. Side view of Figure 565. 532
567. Elektron stater of Kyzikos, dated 477–476 B.C., with the Tyrannicide group. In the collection of E. T. Newell, New York. Enlarged 1:2. 532
568. Roman silver tetradrachm of Athens (183–147 B.C.) with the Tyrannicide group. In the British Museum. Enlarged. 532
Catalogue of Coins in the British Museum, II, pl. XIII, No. 4.
569. Fragment of a black-glazed lamp-feeder, with the Tyrannicide group, said to be from Naukratis. In the collection of E. T. Newell, New York. 532
570. Shield device of Athena, with the Tyrannicide group, from a Panathenaic vase dated about 378–370 B.C. In the British Museum. 532
571. Group of the Tyrannicides. In the Museo Nazionale, Naples. 533
572. Harmodios. In the Museo Nazionale, Naples. Photograph by Alinari. 533
573. Aristogeiton. In the Museo Nazionale, Naples, with the cast of the head in the Vatican. From a cast. 533
574. Head of Aristogeiton. In the Vatican. From a cast. 533
575–577. Reconstructed cast of Harmodios. In The Metropolitan Museum of Art. 534
578. Diskobolos. From a composite cast. 535
579. Bronze statuette of a diskobolos. In the Museum für antike Kleinkunst, Munich. 536
580. Back view of Figure 579. 536
581. Diskobolos, from Castel Porziano. In the Museo Nazionale delle Terme, Rome. Photograph by Anderson. 536
582. Head of the Diskobolos. In the

Lancelotti Palace, Rome. From a cast. 536
583. Diskobolos, on an engraved gem. Redrawn from Furtwängler, *Antike Gemmen,* pl. XLIV, No. 26, and enlarged. 206
584. Marsyas, from the Esquiline. Roman copy of a work by Myron. In the Lateran, Rome. 537
585. Head of Marsyas. In the Barracco Museum, Rome. 538
586. Athena and Marsyas. Detail of a marble vase from Athens. In the National Museum, Athens. 538
Collignon, *Histoire de la sculpture grecque,* I, p. 467, fig. 242.
587. Athena and Marsyas, from a red-figured oinochoë in the Staatliche Museen, Berlin. 538
Collignon, *Histoire de la sculpture grecque,* I, p. 466, fig. 241.
588. Athena and Marsyas, on a Roman coin of Athens (second century A.D.). In the Numismatic Museum, Athens. Enlarged *c.* 1:2. From a cast. 538
589, 590. Head of Figure 591. In the Städtliche Skulpturensammlung, Frankfurt. From a cast. 539
591. Statue of Athena. In the Städtliche Skulpturensammlung, Frankfurt. 539
592. Bronze statuette of Marsyas, from Patras. In the British Museum. Photograph by Mansell. 539
593. Athena and Marsyas. Reconstruction of Myron's group (by Sieveking). 540
594. "Athena Promachos," on a Roman bronze coin of Athens. In the British Museum. Enlarged 1:2. From a cast. 541
595. Athena Parthenos, on a Roman bronze coin of Athens. In the British Museum. Enlarged 1:2. From a cast. 541
596. "Athena Promachos" on the Akropolis. On a Roman bronze coin of Athens. In the British Museum. From a cast. 541
597. Head of Athena Parthenos, on an engraved gem by Aspasios, from Rome. In the Museo Nazionale delle Terme, Rome (formerly in Vienna). 541
Furtwängler, *Antike Gemmen,* pl. XLIX, No. 12.
598. Head of Athena Parthenos, on a silver tetradrachm of Athens (*c.* 200 B.C.). In the collection of E. T. Newell, New York. 541
599, 600. "Varvakeion statuette" of the Athena Parthenos, from Athens. In the National Museum, Athens. Photograph by Alinari. 542
601. "Lenormant statuette" of the Athena Parthenos, from Athens. In the National Museum, Athens. Photograph by Alinari. 542
602. Head of Athena Parthenos, from Rome. In the Staatliche Museen, Berlin. Photograph by Bard. 543
603. Statuette of Athena Parthenos, from Patras. In the Museum, Patras. From a cast. 543
604. Upper part of a statuette of the Athena Parthenos, said to be from Athens. In the Princeton University Museum, Princeton. 543
605. The "Strangford Shield," from Athens. In the British Museum. 543
606. Head of Zeus, on a Roman bronze coin of Elis. In the Bibliothèque Nationale, Paris. Enlarged 1:2. From a cast. 544
607. Statue of Zeus, on a Roman bronze coin of Elis. In the Museo Archeologico, Florence. Enlarged 1:2. From a cast. 544
608. Head of a reclining figure, from the western pediment of the temple of Zeus at Olympia. In the Museum, Olympia. Photograph from the German Archaeological Institute, Athens. 545
609. Head of Zeus, from Mylasa, Caria. In the Museum of Fine Arts, Boston. 545
610. Head of Zeus, on a silver Aiginetic stater from Elis (*c.* 421–365 B.C.). In the British Museum. From a cast. 546
611. Zeus seated, on a silver Aiginetic stater from Elis (after 471 B.C.). In the British Museum. From a cast. 546
612. Zeus. Roman fresco from Eleusis. 546
Εφ. Αρχ. 1888, pl. 5.
613. Head of Zeus, on a gem in the Staatliche Museen, Berlin. From an impression. 546
614. Head of Athena. In the Museo Civico, Bologna. Photograph by Kennedy. 547

615. Statue of Athena. In the Albertinum, Dresden. 548
616. Reconstruction of the "Lemnian Athena." From a cast in the Museum der Bildenden Künste, Budapest. 548
617. Athena, on a red-figured kylix. In the Museo Civico, Bologna. 548
Pellegrini, *Catalogo dei vasi delle necropoli felsinee*, p. 191, fig. 115, No. 393.
618. Head of an Amazon, from Loukou. In the National Museum, Athens. Photograph from the German Archaeological Institute, Athens. 549
619. Amazon on a gem. Present location unknown. From a drawing. 549
Nattier, *A Treatise on the Ancient Method of Engraving on Precious Stones*, pl. XXXI.
620. Mattei Amazon. In the Vatican. Photograph by Alinari. 549
621. Farnese Diadoumenos. In the British Museum. Photograph by Mansell. 550
622. "Theseus," from the eastern pediment of the Parthenon. In the British Museum. Photograph by Mansell. 550
623. Herm of Perikles, from near Tivoli. In the Vatican. Photograph by Anderson. 551
624. Herm of Perikles, from Tivoli. In the British Museum. Photograph by Mansell. 551
625. Detail of a bronze statuette of a warrior in the Musée St. Germain-en-Laye (cf. fig. 127). 552
626. Head of Figure 627. From a cast. 552
627. Amazon in the Capitoline Museum, Rome. Photograph by Alinari. 552
628. Herm of Hermes Propylaios, from Pergamon. In the Musées d'Antiquités de Stamboul (Constantinople). 553
629. Bronze herm of Hermes Propylaios. In The Metropolitan Museum of Art. 553
630. Head of the Dionysos by Alkamenes, on a bronze coin of Athens (II century B.C.). In the collection of E. T. Newell, New York. Enlarged 1:2. 553
631. Dionysos, by Alkamenes, on a Roman bronze coin of Athens. In the Bibliothèque Nationale, Paris. Enlarged 1:2. From a cast. 553
632. Amazon, on a gem in the Bibliothèque Nationale, Paris. From a drawing, enlarged. 234
Klügmann, *Amazonen*, Titelvignette, published by Walter de Gruyter and Company.
633. Head of Nemesis, by Agorakritos, from Rhamnous. In the British Museum. Photograph by Waterhouse. 554
634. Nemesis, on a silver Persic stater of Paphos (Cyprus), *c.* 385 B.C. In the British Museum. Enlarged. From a cast. 554
635. Head of a woman, from the base of the statue of Nemesis by Agorakritos. In the National Museum, Athens. From a cast. 554
636. Pan and the Graces. In the Capitoline Museum, Rome. Photograph by Alinari. 554
637. Nike by Paionios, from Olympia (three-quarters view). In the Museum, Olympia. Photograph by Alinari. 555
638. Front view of Figure 637. 555
639. The "Hertz" head. In the Palazzo Venezia, Rome. Photograph by Alinari. 556
640. Profile view of Figure 639. From a cast. 556
641. Head of the same type as that shown in Figure 639. In the Vatican. 556
642. Fragment of the head of the Nike by Paionios. In the Museum, Olympia (see fig. 637). 557
643. Artemis, by Strongylion, on a bronze coin of Megara (*c.* 146 B.C. or later). In the British Museum. Enlarged 1:2. From a cast. 557
644. Inscribed base of the bronze statue of the wooden horse by Strongylion. On the Akropolis, Athens. 557
645. Doryphoros, from Pompeii. In the Museo Nazionale, Naples. Photograph by Alinari. 558
646. Head of the Doryphoros, from Corinth. In the Museum, Corinth. 559
647. Profile view of Figure 646. 559
648. Bronze herm of the Doryphoros, from Herculaneum. In the Museo Nazionale, Naples. 559
649. Relief of the Doryphoros, from Argos. In the National Museum, Athens. From a cast. 559
650. Diadoumenos, from Delos. In the National Museum, Athens. Photograph by Alinari. 560

651. Terracotta statuette of the Diadoumenos (back view). On loan in the Louvre. Photograph by E. P. Andrews. 561
652. Front view of Figure 651. Photograph by E. P. Andrews. 561
653. Head of Hera, on a silver Aiginetic stater of Argos. In the collection of E. T. Newell, New York. Slightly enlarged. 561
654. Hera, on a bronze coin of Argos. In the British Museum. Enlarged 1:2. From a cast. 561
655. Amazon, from Rome. In the Staatliche Museen, Berlin. Photograph by Bard. 562
656. Head of an Amazon. Formerly in the Lansdowne Collection. From a cast. 563
657. Hera and Hebe, on a Roman bronze coin of Argos. Enlarged 1:2. From a cast. 563
658. "Westmacott Athlete." In the British Museum. Photograph by Mansell. 563
659. Eirene and the infant Ploutos. In the Glyptothek, Munich. Photograph by the Neue Photographische Gesellschaft, Steglitz-Berlin. 564
660. Eirene, from Rome. In The Metropolitan Museum of Art. 564
661. Eirene and the infant Ploutos, on a Roman bronze coin of Athens. In the British Museum. Enlarged 1:2. From a cast. 565
662. Head of Figure 663, before restorations. 565
663. Ploutos. In the Albertinum, Dresden. 565
664. Hermes and the infant Dionysos, by Praxiteles. From Olympia. In the Museum, Olympia. Photograph by Alinari. 566
665. Head of the Hermes by Praxiteles (see fig. 664). Photograph by Alinari. 567
666. Satyr with the infant Dionysos, on a fresco. In The Metropolitan Museum of Art. 567
667. Foot of the Hermes by Praxiteles (see fig. 664). 567
668. Reconstruction of the Aphrodite of Knidos. Body of the Vatican figure, the Kaufmann head, and some restorations. From a cast. 568
669. Torso of Aphrodite in the Musée Cinquantenaire, Brussels, with a cast of the head in the Ny Carlsberg Glyptotek, Copenhagen. 569
670. Aphrodite. In the Magazzini of the Vatican. 569
671. Head of Aphrodite, from Tralles. In the Kaufmann Collection, Berlin. Photograph by Bard. 569
672. Aphrodite, on a Roman bronze coin of Knidos. In the Bibliothèque Nationale, Paris. From a cast. 569
673. Apollo Sauroktonos, on a Roman bronze coin of Nikopolis. In the British Museum. Enlarged. From a cast. 570
674. Bronze statuette of the Apollo Sauroktonos, from Rome. In the Villa Albani, Rome. 570
675. Apollo Sauroktonos, from the Palatine. In the Vatican. Photograph by Alinari. 570
676. Eros, on a Roman bronze coin of Parion, period of Antoninus Pius. In the Staatliche Museen, Berlin. From a drawing. Enlarged 1:2. 261
Journal of Hellenic Studies, 1883, p. 266.
677. Artemis, on a Roman bronze coin of Antikyra. In the Staatliche Museen, Berlin. Enlarged 1:2. From a cast. 571
678. Leto and Chloris, on a Roman bronze coin of Argos. In the British Museum. Enlarged 1:2. From a cast. 571
679. Apollo and Marsyas. Relief from the Mantineia base. In the National Museum, Athens. 571
680. Muses. Relief from the Mantineia base. In the National Museum, Athens. 572
681. Muses. Relief from the Mantineia base. In the National Museum, Athens. 572
682. Satyr, said to be from Anzio. In the Albertinum, Dresden. 573
683. Side view of Figure 682. 573
684. Back view of Figure 682. 573
685. Aphrodite of Arles. In the Louvre. Photograph by Giraudon. 574
686. Artemis of Gabii. In the Louvre. Photograph by Giraudon. 574
687. Head of a girl, from the altar of Kos (profile view). In the Musées d'Antiquités de Stamboul (Constantinople). 575
688. Front view of Figure 687, with restorations. 575
689. Female figure, from the altar of

Kos. In the Musées d'Antiquités de Stamboul (Constantinople). 575
Jahrbuch, 1923–1924, pl. VII, 1.
690. Head, from the east pediment of the temple of Athena Alea at Tegea. In the National Museum, Athens. From a cast. 576
691. Head, from the west pediment of the temple of Athena Alea at Tegea. In the National Museum, Athens. From a cast. 576
692. Head of Herakles, from the west pediment of the temple of Athena Alea at Tegea. In the Museum, Tegea. From a cast. 577
693. Head of a warrior, from the west pediment of the temple of Athena Alea at Tegea. In the Museum, Tegea. From a cast. 577
694. Apollo. On a copper as of Nero. In the British Museum. Enlarged 1:2. From a cast. 578
695. Apollo, on a Roman coin of Alexandria Troas. In the collection of E. T. Newell, New York. Enlarged. 578
696. Atalante, from the east pediment of the temple of Athena Alea at Tegea. In the Museum, Tegea. From a cast. 578
697. Contest of Greeks and Amazons. From a frieze of the Mausoleum at Halikarnassos. In the British Museum. Photograph by Mansell. 579
698. Contest of Greeks and Amazons. From the Mausoleum at Halikarnassos. In the British Museum. Photograph by Mansell. 580
699. Contest of Greeks and Amazons. From the Mausoleum at Halikarnassos. In the British Museum. Photograph by Mansell. 580
700. Head of a charioteer, from one of the smaller friezes of the Mausoleum at Halikarnassos. In the British Museum. 581
701. Greek warrior. Detail of Figure 699. 581
702. Detail of head, Figure 701. 581
703. Head of Hermes (see fig. 705). 581
704. Aphrodite Pandemos, on a Roman bronze coin of Elis, period of Hadrian, in the British Museum. From a drawing. Enlarged 1:2. 272
Collignon, *Histoire de la sculpture grecque*, II, p. 235, fig. 115.
705. Sculptured drum from a column of the temple of Artemis at Ephesos. In the British Museum. 582
706. Apollo, from Rome. In the Musée d'Art et d'Histoire, Geneva. 583
707. Herakles, from Tivoli. Formerly in the Lansdowne Collection. From a cast. 583
708. Head of Meleager. In the garden of the Villa Medici, Rome. 583
709. Maenad. In the Albertinum, Dresden. 583
710. Nereid. Akroterion of the temple of Asklepios at Epidauros. In the National Museum, Athens. Photograph by Alinari. 584
711. Nereid. Akroterion of the temple of Asklepios at Epidauros. In the National Museum, Athens. 584
712. Nike. Akroterion(?) of the temple of Asklepios at Epidauros. In the National Museum, Athens. 585
713. Nike. Akroterion of the temple of Asklepios at Epidauros. In the National Museum, Athens. 585
714. Relief of Asklepios, from Epidauros. In the National Museum, Athens. Photograph by Alinari. 586
715. Relief of Asklepios, from Epidauros. In the National Museum, Athens. 586
716. Amazon, from the western pediment of the temple of Asklepios at Epidauros. In the National Museum, Athens. 587
717. Front view of Figure 716. From a cast. In the National Museum, Athens. 587
718. Torso of an Amazon, from the western pediment of the temple of Asklepios at Epidauros. In the National Museum, Athens. 587
719. Torso of a woman, probably from the western pediment of the temple of Asklepios at Epidauros. In the National Museum, Athens. 587
720. Contest of Greeks and Amazons. From a frieze of the Mausoleum of Halikarnassos. In the British Museum, No. 1006. Photograph by Mansell. 588
721. Contest of Greek and Amazon. From the same frieze as Figure 720. In the British Museum, No. 1016. Photograph by Mansell. 588
722. Amazon from the same frieze as

Figure 720. In the British Museum, No. 1017. 588
723. Horseman approaching a tripod. Base of a statue by Bryaxis, from Athens. In the National Museum, Athens. Photograph by Alinari. 589
724. Inscription on the statue base of Bryaxis (see fig. 723). 589
725. Nike. Perhaps an akroterion of the "Theseion." From Athens. In the National Museum, Athens. 590
726. Side view of Figure 725. 590
727. Fragment of a female figure from the base of the statue of Nemesis at Rhamnous. In the National Museum, Athens. Photograph by Alinari. 590
728. Group from the frieze of the Erechtheion. In the Akropolis Museum, Athens. 590
729. Contest of Greeks and Amazons, from a frieze of the Mausoleum at Halikarnassos. In the British Museum. Photograph by Mansell. 591
730. Contest of Greeks and Amazons, from the same frieze as Figure 729. In the British Museum. Photograph by Mansell. 591
731. Head of Apollo, perhaps from the statue by Bryaxis (cf. fig. 732). On a silver tetradrachm of Antiochos IV Epiphanes (175–164 B.C.). In the collection of E. T. Newell, New York. Enlarged 1:2. 592
732. Apollo, perhaps after a statue by Bryaxis. On a silver coin of Antiochos IV Epiphanes (175–164 B.C.). In the collection of E. T. Newell, New York. Enlarged 1:2. 592
733. Asklepios. Statue by Thrasymedes. On a silver Aiginetic drachm of Epidauros (IV century B.C.). In the Staatliche Museen, Berlin. Enlarged 1:2. From a cast. 592
734. Ganymede and the Eagle, on a bronze mirror, from Amphissa. In the Staatliche Museen, Berlin. 592
735. Contest of Greeks and Amazons. From a frieze of the Mausoleum at Halikarnassos. In the British Museum. 593
736. Demosthenes, after a work by Polyeuktos. In the Vatican. Photograph by Anderson. 594
737. Ganymede and the Eagle. In the Vatican. Photograph by Alinari. 594
738. Agias, from Delphi. In the Museum, Delphi. Photograph by Alinari. 595
739. Apoxyomenos, from Rome. In the Vatican. Photograph by Alinari. 595
740. Head of Agias (see fig. 738). Profile view. 596
Fouilles de Delphes, IV, pl. 64.
741. Front view of Figure 740. From a cast. 596
742. Head of the Apoxyomenos (see fig. 739). From a cast. 596
743. Profile view of Figure 742. From a cast. 596
744. Alexander the Great. The Azara bust, from near Tivoli. In the Louvre. Photograph by Giraudon. 597
745. Alexander the Great, from Alexandria. In the British Museum. Photograph by Mansell. 597
746. Alexander (?). In the Musée Guimet, Paris. 597
747. Portrait of Alexander, on a silver tetradrachm struck by Lysimachos (*c.* 290 B.C.). In the collection of E. T. Newell, New York. Slightly enlarged. 597
748. The Alexander sarcophagus, from Sidon. In the Musées d'Antiquités de Stamboul (Constantinople). 598
749. Zeus, on a bronze coin of Caracalla. In the British Museum. Enlarged 1:2. 599
Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. H, No. X.
750. Herakles, on a bronze coin of Amastris, period of Caracalla. In the Museo Archeologico, Florence. Enlarged 1:2. 599
Waddington, Babelon, and Th. Reinach, *Recueil des monnaies grecques d'Asie Mineure*, pl. XXI, No. 3, published by the Librairie Ernest Leroux.
751. Statuette of Herakles, from the palace of Sennacherib, at Nineveh. In the British Museum. 600
752. Base of the statue of Poulydamas by Lysippos, from Olympia. In the Museum, Olympia. 600
753. Statuette of Antiocheia, from outside Rome. In the Vatican. 601
Brunn-Bruckmann, *Denkmäler*, pl. 154.
754. Bronze statuette of Antiocheia. In The Metropolitan Museum of Art. 601
755. Antiocheia, on a Syrian silver tetradrachm of Tigranes (83–69 B.C.). In the British Museum. From a cast. 601
756. Herakles (?), on a Roman coin of

Lakedaimon. In the British Museum. Enlarged *c.* 1:2. 601
Archäologischer Anzeiger, 1920, p. 59.

757. Head of Anytos by Damophon from the temple at Lykosoura. In the National Museum, Athens. 602
Brunn-Bruckmann, *Denkmäler*, pl. 480, right.

758. Head of Artemis by Damophon, from the temple at Lykosoura. In the National Museum, Athens. 602
Brunn-Bruckmann, *Denkmäler*, pl. 479, left.

759. Head of Demeter by Damophon, from the temple at Lykosoura. In the National Museum, Athens. 602
Brunn-Bruckmann, *Denkmäler*, pl. 478, left.

760. Profile view of Figure 759. 602
Brunn-Bruckmann, *Denkmäler*, pl. 478, right.

761. Boy strangling a goose. After a work by Boethos. In the Glyptothek, Munich. Photograph by Bruckmann. 603

762. Bronze herm of Dionysos, signed by Boethos. In the Museum of Bardo, Tunis. 603
Monuments Piot, XVII, 1909, pl. IV, published by the Librairie Ernest Leroux.

763. Laokoon group, found on the Esquiline. In the Vatican. Photograph by Alinari. 604

764. Copy of Figure 763 by Bandinelli. In the Uffizi Gallery, Florence. Photograph by Alinari. 604

765. Bronze statue of a boxer, from Rome. In the Museo Nazionale delle Terme, Rome. Photograph by Alinari. 605

766. Belvedere Torso. In the Vatican. Photograph by Alinari. 605

767. Farnese Bull, from Rome. In the Museo Nazionale, Naples. Photograph by Alinari. 606

THE FOLLOWING ARE THE CHIEF ABBREVIATIONS OF PERIODICALS USED

Arch. Anz. = Archäologischer Anzeiger (Beiblatt zum Jahrbuch).
A.J.A. = American Journal of Archaeology.
Arch. Ztg. = Archäologische Zeitung.
Ath. Mitt. = Mitteilungen des deutschen archäologischen Instituts, Athenische Abteilung.
B.C.H. = Bulletin de correspondance hellénique.
B.S.A. = Annual of the British School at Athens.
Ἐφ. Ἀρχ. = Ἐφημερὶς Ἀρχαιολογική.
Δελτ. Ἀρχ. = Δελτίον Ἀρχαιολογικόν.
Jahrbuch = Jahrbuch des deutschen archäologischen Instituts.
J.H.S. = Journal of Hellenic Studies.

PART ONE

GREEK SCULPTURE

CHAPTER I

THE HISTORICAL BACKGROUND OF GREEK SCULPTURE

LIKE every art, Greek sculpture was largely conditioned by the history of its time; and the four chief phases in its development clearly reflect the outlook and conditions of the four outstanding periods in Greek history. The rise, culmination, and slow decline of Greek sculpture find their counterparts in contemporary events. It is essential, therefore, to view Greek art against its historical background.

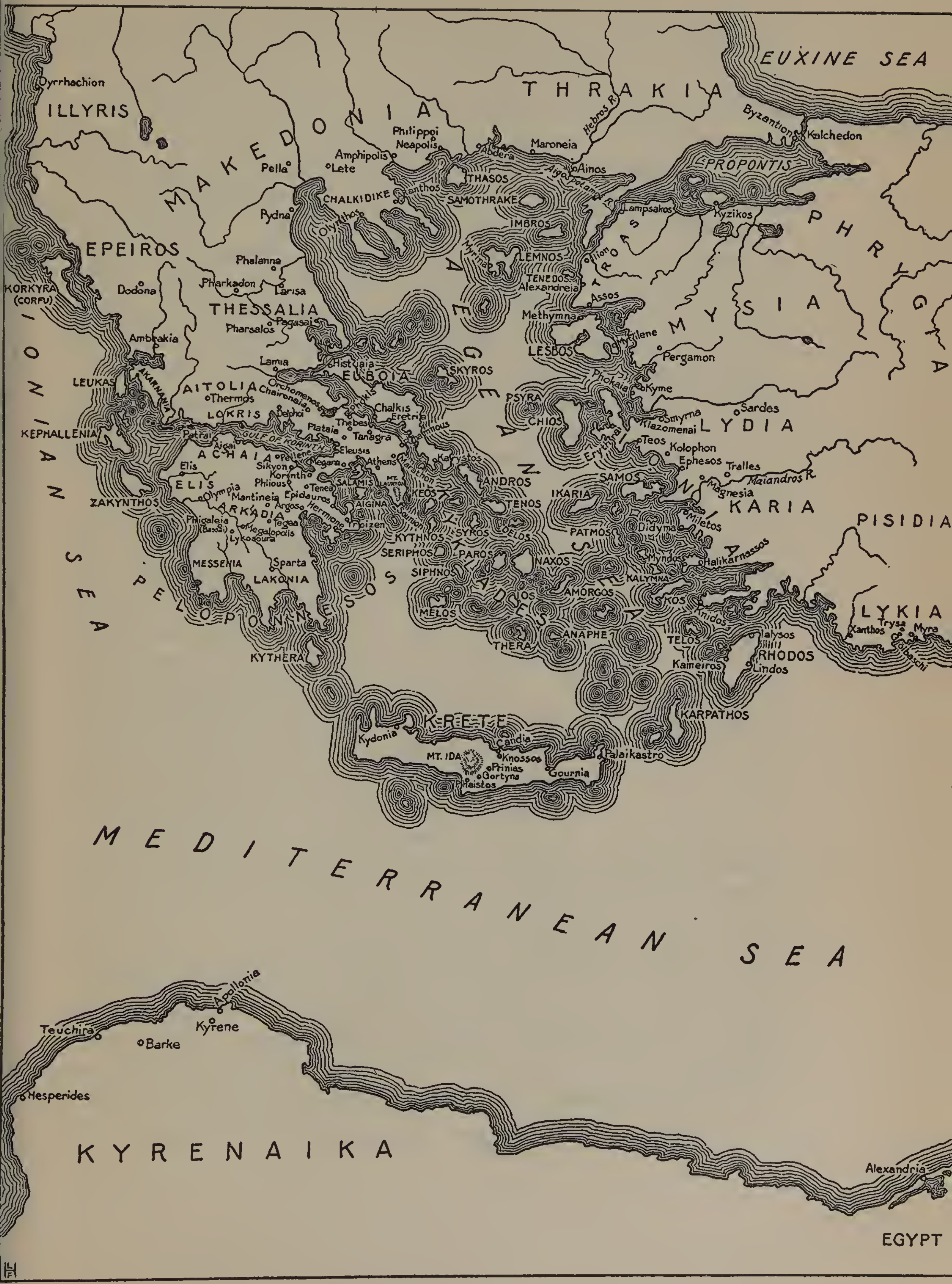
(*a*) *Early Period* (1000–500 B.C.)

AFTER the fall of the "Minoan" and "Mycenaean" civilizations there followed everywhere in Greece an obscure period during which the brilliant monarchies of the Aegean chieftains were replaced by "feudal" aristocracies. It is during these "dark ages" of the tenth and ninth centuries that the Greek nation—that is, the Aegean people reinforced by successive invasions of northern tribes—slowly prepared for the phenomenal rise of the classical Greek civilization. Its earliest manifestation was a widespread colonial movement. The expansion was first westward. At the beginning of the eighth century the Dorians founded Tarentum, Metapontion, Sybaris, Kroton; after 750 Corinth and Chalkis set up colonies at Naxos, Katane, Syracuse, and in Campania. The movement continued during the whole of the seventh century, reaching in 600 as far as Marseilles and Spain and spreading also northeastward to Thasos, Chalkidike, Thrace, and the cities of the Bosphorus. At the end of this period of discovery and adventure we find Greece consisting of a number of powerful city states each with its colonies and dependencies, ranging from Asia Minor to Italy and Spain. All these cities were independent units, knit together by a common religion, similar institutions and customs, and the consciousness of the same origin. To symbolize this unity there had arisen religious centers in various localities—Dodona, Delphi, Olympia, Delos, Cape

Mykale—to which all Greeks journeyed to worship or consult the oracles. And, periodically, great religious festivals were celebrated —at Olympia, Corinth, Nemea, and Delphi—and hither Greeks from all parts of the world came to compete in athletic and musical contests while "barbarian" outsiders were strictly excluded. And thus were fostered the two dominating loyalties of the ancient Greeks —an intense local patriotism for the individual city state and the consciousness of a common Hellenism amid a "barbarian" world. Throughout Greek history we are aware of these two important factors which intermittently combined and separated the Greek city states.

Another element which constituted a bond among the Greeks was the creation of new forms of political institutions unknown in the powerful East—of democracies in the place of the old aristocracies and monarchies. The first stage in this transformation was the appearance of "tyrannies." In one Greek state after another we note in the later seventh century and during the sixth century the downfall of the powerful families and clans which had held the power for several centuries, and the substitution of the rule of one powerful man risen generally as champion of the people. This change began in Sikyon, Corinth, Megara, and in the Ionian cities and spread from city to city. Kypselos and Periander of Corinth, Orthagoras of Sikyon, Thrasyboulos of Miletos, Polykrates of Samos, Peisistratos of Athens are names which stand out with many others as the founders of the greatness of their respective cities. Under the enlightened rule of these tyrants there came an era of prosperity, and sciences and arts flourished. It is then that Greek monumental sculpture begins.

After centuries of modest production in small bronzes, terracottas, and ivories (see p. 51) there suddenly appears all over the Greek world an enthusiastic activity of temple building with sculpture in relief and in the round. We can catch a faint reflection of this brilliant dawn of Greek sculpture in the remains which have survived to this day. In Corfu, the ancient Kerkyra, a temple has come to light with an amazingly impressive pediment, dominated by a central Medusa (figs. 76, 374). In northern Thermos has been found another early temple with painted metopes (figs. 401, 402). The head of Hera at Olympia (fig. 138) is perhaps part of the cult group of Zeus and Hera of the old Heraion. At Delphi the Treas-



EUXINE SEA
Dyrrhachion
ILLYRIS
MAKEDONIA
THRAKIA
Hebros R.
Byzantion
Kalchedon
Philippoi
Neapolis
Amphipolis
Lete
Pella
Abdera
Maroneia
Ainos
Aigospotamoi R.
PROPONTIS
THASOS
SAMOTHRAKE
CHALKIDIKE
Xanthos
Pydna
Olynthos
IMBROS
Lampsakos
Kyzikos
PHRYGIA
EPEIROS
Phalanna
Myrina
LEMNOS
Ilion
TROAS
KORKYRA (CORFU)
Dodona
Pharkadon
Larisa
TENEDOS
Alexandreia
Assos
THESSALIA
Pagasai
Pharsalos
MYSIA
Methymna
Mytilene
Ambrakia
AEGEAN SEA
IONIAN SEA
Lamia
Histiaia
LESBOS
Pergamon
AKARNANIA
EUBOIA
SKYROS
LEUKAS
AITOLIA
Thermos
Orchomenos
Chaironeia
Phokaia
Kyme
PSYRA
LOKRIS
Delphoi
Chalkis
Eretria
CHIOS
Smyrna
Sardes
Patrai
Thebes
Plataia
Tanagra
Rhamnous
Klazomenai
LYDIA
KEPHALLENIA
GULF OF KORINTH
Aigai
ACHAIA
Pellene
Eleusis
Erythrai
Teos
Kolophon
Elis
Sikyon
Megara
Athens
Marathon
Karystos
Ephesos
Tralles
ELIS
Korinth
Phlious
SALAMIS
MT. LAURION
ANDROS
SAMOS
IONIA
Maiandros R.
ZAKYNTHOS
Olympia
Mantineia
Tenea
Epidauros
AIGINA
KEOS
TENOS
IKARIA
Magnesia
KARIA
Argos
ARKADIA
Hermione
Sounion
KYKLADES
Troizen
SYROS
DELOS
PATMOS
Didyma
Miletos
PISIDIA
Phigaleia (Bassai)
Tegea
Megalopolis
Lykosoura
KYTHNOS
PAROS
SERIPHOS
Myndos
Halikarnassos
MESSENIA
Sparta
LAKONIA
SIPHNOS
NAXOS
SPORADES
KALYMNA
LYKIA
Trysa
Myra
Xanthos
PELOPONNESOS
MELOS
IOS
AMORGOS
KOS
Knidos
Gjölbaschi
Ialysos
THERA
ANAPHE
TELOS
RHODOS
Kameiros
Lindos
KYTHERA
KARPATHOS
KRETE
Kydonia
Candia
MT. IDA
Knossos
Prinias
Gortyna
Phaistos
Gournia
Palaikastro
MEDITERRANEAN SEA
Apollonia
Teuchira
Kyrene
Barke
Hesperides
KYRENAIKA
Alexandria
EGYPT
LH

MAP OF GREECE AND THE AEGEAN ISLANDS

ury of "Sikyon" (figs. 358, 404) and the splendid dedicatory statues of Kleobis and Biton by [Poly]medes (fig. 17) bear witness to the growing wealth of the Greek states and the increasing importance of the common sanctuary of Apollo. On the Akropolis in Athens there arose a number of early temples, large and small, of which the gaily painted limestone pedimental sculptures are now in the Akropolis Museum—the "Achilles and Troilos" group (p. 120, note 13), the Herakles and Hydra (fig. 376), the introduction of Herakles to Olympos (fig. 380), the splendid bull attacked by lions (fig. 377), and above all the "Bluebeard" and the Herakles and Triton from the "old Athena" temple (figs. 378, 379). We do not even know where some of the respective temples were situated, but we can visualize nevertheless the splendid effect of the whole. Furthermore, impressive single statues, like the colossal Apollo of Sounion (fig. 16) and the calf-bearer dedicated by Rhombos (figs. 5, 6), show the boldness and skill of these early sculptors.

Farther east in the Islands and Ionia there is the same activity. At Ephesos a great temple is built to Artemis with the help of Kroisos, king of Lydia (560–546 or 555–541; figs. 265, 266). The row of seated statues which lined the Sacred Way at Didyma (figs. 62, 264), the statues from the early temple of Hera at Samos, and the reliefs from Xanthos and Assos (cf. fig. 403) are typical east Greek products of the first half and third quarter of the sixth century. The flying Nike from Delos (fig. 77) and the Naxian Sphinx at Delphi are two distinguished island products. In the West the metopes from two temples of Selinus[1] (fig. 405) and the terracotta sculptures from the temple of Athena at Syracuse (fig. 79) show that Sicily kept pace in this artistic production.

This widespread prosperity and interest in art reach their acme in the last third of the sixth century, which forms indeed the climax in the first act of the drama of Greek civilization—the period when Greece was as yet undisturbed either in the East or the West and could work out her novel experiments unhampered. Athens under Solon (594–591) and Peisistratos (561–527) had risen to a powerful state. The marble pedimental sculptures of the peristyle of the "old Athena" temple (figs. 112, 385), the fine array of marble maidens erected as dedicatory offerings on the Akropolis (figs. 270–272), the statues of the later athletes and "Apollos" (figs. 20, 23), the large number of splendid tomb monuments (fig. 424) reflect this prosperity and show a high degree of refinement. But Athens was only one of many art-loving, prosperous states. The temple of Apollo at Delphi was rebuilt after a fire at an enormous expense in which the whole of Greece took part. The "Treasury" of the little island of Siphnos at Delphi (about 525) with its pediment (fig. 382) and magnificent frieze (figs. 418, 419, 487) and karyatids bears eloquent testimony to the widespread wealth of the time and the fine achievements of its artists. The Treasury of the Megarians at Olympia (fig. 383), the other great common sanctuary of the Greeks, is another example. Boeotia appears to have been particularly active, to judge from the beautiful series of "Apollo" statues (fig. 21) found in the Ptoan sanctuary and elsewhere. Even Sparta has presented us with a fine series of reliefs of the period (fig. 468).

---

[1] Temple C and one not yet discovered (*Monumenti antichi,* I, pls. I–III).

In comparing these sculptures from so many localities with one another we note certain distinctions—a sturdiness, for instance, in the Peloponnesian products (cf. the Argive Athlete, fig. 17) and a softness and elaboration in the Ionian works (cf. the Didyma and Samos statues, figs. 62, 264, 110). Nevertheless, it is the common characteristics that stand out—their buoyancy and freshness, their dignity and decorative quality. They present us indeed with a spirited picture of this early civilization and help us to visualize it as a time of eager quest—when philosophers were trying to understand the physical structure of the universe, when political experiments were everywhere being tried, when new forms of literature were being evolved; and also as a time with a strictly local outlook. The Greek states were self-contained, actively content in their respective spheres, with a brilliant and yet limited activity. And their sculpture, with all its sense for volume and design, reflects this limitation. It has not yet the universal quality which Greek art later attained.

(b) *Fifth Century*

In the fifth century a new direction is given to the history of Greece. Her expansion had already stopped a century before. Now, at the end of the sixth century, she is herself threatened. The danger of Persia, the irresistible conqueror, looms in the East; in the West, Carthage and Etruria have risen as powerful rivals. Meantime the political aspect of the Greek states has again changed. The descendants of the beneficent tyrants, having abused their power, have in many places been overthrown and in their stead aristocracies and democracies have been established—the latter a novel form of government in the ancient world and one which we now regard as typically Greek. It fostered that sense of individualism and independence which was of the essence of a Greek city state, and thereby made more apparent both its weakness and its strength. Its weakness was shown when the danger of invasion threatened and its inability to present a united front became almost fatal to the common cause. On the other hand, it doubtless made possible the rapid rise to power of men of obscure origin like Themistokles, whose remarkable foresight turned the scale at a critical hour. The whole early part of the fifth century is taken up with the Persian danger. The attack on the Greek Islands began in 500. By 494 most of the East was subdued. The expedition against Greece proper started in 492. Then came Marathon (490), Salamis (480), Plataia (479), Mykale (479), the four great victories which decided the fate of Greece; in the West, Himera (480), which disposed of the Carthaginian danger in Sicily; and in the East the battle of the Eurymedon (470), which freed Miletos and the Eastern cities.

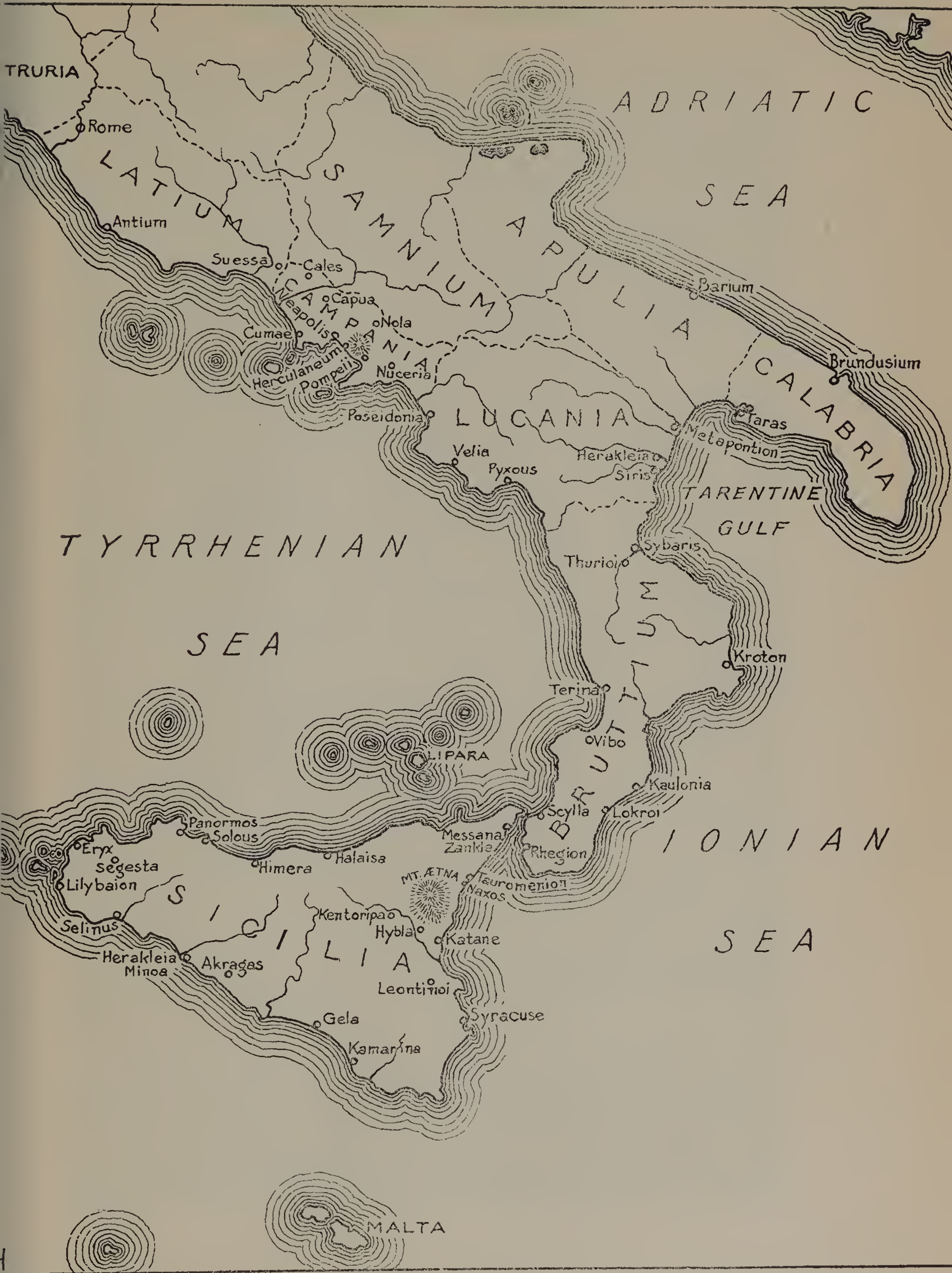
These were strenuous days in which all energies were devoted to the safeguarding of the state. Naturally it was not the time for the erection of many important buildings and monuments. We have a few precious examples just preceding the cataclysm, for instance, the sculptures of the temple of Apollo Daphnephoros at Eretria (figs. 281, 284), which probably still belong before the turn of the century; and a few private dedications on the Akropolis (fig. 159). The pediments of the temple of Aphaia at Aigina (figs. 388, 389, 103, 113, 114), begun perhaps about 500, were brought to their completion about 480, an eloquent testimony to the prosperity of the island at that period (shortly before her subjugation by Athens in 456), and also of the protection from the Persian danger which her outlying position afforded her. But otherwise there is little artistic activity to record during the actual years of the war and for a decade or so later, except a few memorials by which Greece showed her gratitude to the gods for her delivery: a platform with trophies erected by the Athenians in front of the Athenian Treasury at Delphi as a dedicatory offering after Marathon (p. 126); a snake tripod in the same precinct, dedicated as a joint offering of the

Greek states to commemorate the victory of Plataia; and a new group of the Tyrannicides (fig. 571) set up in the Athenian market-place (477) to take the place of that carried off to Persia by Xerxes. All more ambitious undertakings had to bide their time. Athens could not be expected to restore her temples when she was straining every nerve to fortify her city and to strengthen her navy.

In the second quarter of the fifth century we find the Greek world recovering. The great temple of Zeus was begun at Olympia (*c.* 468); Sicily under her tyrants (who retained their power there longer than elsewhere) was becoming more and more prosperous. Temple E was built at Selinus (figs. 410–413). A fine bronze chariot group (of which a charioteer [fig. 285] and other fragments have survived) was dedicated at Delphi by a Syracusan prince. Athens, too, was bestirring herself and was finding time at last to erect her important war monuments. The colossal Athena Promachos (fig. 594) by Pheidias was set up on the Akropolis, "an offering from the spoils of the Persians who landed at Marathon," and at Delphi was dedicated a group of deities and heroes "with one human figure, that of Miltiades, the general," another work of Pheidias and it, too, in memory of Marathon.

Not only is there in this period a general revival of artistic production, but a new element has entered Greek sculpture. The Greek horizon has been enlarged, the long struggles with representational problems have borne their fruit, and Greek sculpture now assumes an idealistic, spiritual character which gives it a new grandeur. In literature we perceive it best in the works of Aischylos; in sculpture perhaps in the pediments and metopes of the temple of Zeus at Olympia (figs. 390–393, 355, 414, 319). And inevitably there arose now artists of the first rank, able to perpetuate in their work the new outlook. Of Pythagoras and Kalamis we have only the enthusiastic comments of those who had the good fortune to know their works (pp. 199–204); of the rhythmical sculptures of Myron we can form some conception by a few Roman copies which have survived (figs. 578, 584).

The second half of the fifth century is the climax of the second period in Greek sculpture, as the last third of the sixth was of the first period. At first, it was a time of comparative peace and material prosperity. In 454–453 the treasury of the confederacy of Delos


TRURIA
Rome
LATIUM
Antium
SAMNIUM
APULIA
ADRIATIC SEA
Suessa
Cales
CAMPANIA
Capua
Nola
Neapolis
Cumae
Herculaneum
Pompeii
Nuceria
Barium
Brundusium
CALABRIA
Taras
Metapontion
Poseidonia
LUCANIA
Velia
Pyxous
Herakleia
Siris
TARENTINE GULF
TYRRHENIAN SEA
Sybaris
Thurioi
BRUTTIUM
Kroton
Terina
Vibo
LIPARA
Kaulonia
Scylla
Lokroi
Messana
Zankle
Rhegion
IONIAN SEA
Panormos
Solous
Eryx
Segesta
Lilybaion
Himera
Halaisa
MT. ÆTNA
Tauromenion
Naxos
SICILIA
Selinus
Kentoripa
Hybla
Katane
Herakleia
Minoa
Akragas
Leontinoi
Gela
Syracuse
Kamarina
MALTA

MAP OF SOUTHERN ITALY AND SICILY

was transferred from Delos to Athens; that is, the funds contributed by the members of the League for the upkeep of a strong navy as a protection against Persia were virtually at the disposal of Athens. In 446–445 a thirty years' peace was signed between Athens and the Peloponnesians. The outward circumstances were thus favorable for artistic activity. Moreover, the elimination of the Persian danger, which had for a long time threatened annihilation, brought as a reaction a certain exaltation and a new dignity and importance to Greece. Athens, under the guidance of Perikles, seized her opportunity and spent her large resources for the beautification of her city. And thus arose the Parthenon (447–432; cf. figs. 415, 416, 131, 486, 488, 489, 356, 291, 394–396, 91, 292, 351) with the chryselephantine Athena by Pheidias (438; figs. 595, 597–605), the Propylaia as a palatial entrance to the Akropolis (437), the new Hall of Mysteries at Eleusis (*c.* 430), the little temple by the Ilissos (*c.* 450; fig. 420), the temple at Rhamnous with a cult statue by Agorakritos (*c.* 435; figs. 633, 634), and many other memorials, large and small. The leading sculptor in Athens was Pheidias. The idealism and majesty of his works, especially his chryselephantine Zeus at Olympia (figs. 606, 607), left an abiding impression on Greek art and determined its character thenceforth. Greek art now assumes a universality consistent with its broadened horizon. Pheidias had many distinguished associates and followers—Alkamenes (pp. 235 ff.), Agorakritos (pp. 238 ff.), Kresilas (pp. 231 ff.), etc., whose works in Athens and elsewhere gained wide renown. His greatest contemporary was Polykleitos of Argos (pp. 244 ff.), whose sense for harmonious composition we can appreciate even in the Roman copies which have survived of his Doryphoros (figs. 645–649) and Diadoumenos (figs. 650–652). Besides works which can be connected with prominent sculptors, there are others to which we can attach no names but which are among the finest that have survived. The Niobid in Rome (fig. 4) and the two figures in Copenhagen (figs. 92, 118) perhaps come from a pedimental composition shortly after 450.

If Athens had been allowed to carry out her imperialistic policy, if she had succeeded in subjugating completely, first the tributaries to the Delian League and then the Peloponnese, the history of Greece might have been that of Italy, with Athens in the rôle of Rome. But Athens was stopped in mid-career. After she had safely established her sea empire the trial of strength between herself and the Peloponnese began (431). It lasted first for ten years until the peace of Nikias (421) and then again from 419 to almost the end of the century. For a long time the result remained in question, but the disaster which overtook the Athenian expedition to Sicily (415–413) had much to do with the ultimate downfall of Athens. The decisive battle was won by the Spartan Lysander at Aigospotamoi in 405. The dream of empire which had come to Athens, as it has to many nations, was over. She was merely a small city state once more.

The immediate influence on art of the Peloponnesian war was a stoppage of various building activities such as the Propylaia on the Akropolis. But as the war dragged on in a sometimes rather desultory fashion, normal life asserted itself and art regained a place. We have many fine monuments by which to judge this art of the last quarter of the fifth century—at Athens the "Theseion" (*c.* 435–420; figs. 293, 417), the Erechtheion (*c.* 421–413; fig. 502; and *c.* 409–406; figs. 296, 728), and the temple of Nike (*c.* 426; figs. 295, 297) with its "balustrade" (*c.* 410; figs. 504, 506); at Sounion the temple of Poseidon (*c.* 423); at Argos the temple of Hera (*c.* 420; fig. 165); and farther afield the temple of Apollo at Bassae in mountainous Arkadia (figs. 197–199, 201–204, 298–301); the flying Nike of Paionios at Olympia (figs. 637–642); and in the East the Nereid monument at Xanthos (figs. 302–304), and the Heroön of Gjölbaschi (figs. 421, 422, 326). And besides this architectural sculpture, single statues like the Idolino (figs. 43, 44) and exquisite grave reliefs like those of Hegeso (fig. 429) and Glykylla (fig. 306) testify to the beauty of private memorials of the period.

The delicate character and refinement of these monuments hardly suggest that they were created against a background of bitter warfare (we may except the tumultuous Phigaleia frieze). They are rather the logical development of the art of the preceding period, showing the continuance of artistic appreciation and well-being. As so often in history, the events of the time influence not contemporary but subsequent art. Indeed the soft, transparent draperies of many of the sculptures, evidently reproducing some fine and precious material (cf. p. 100), suggest an era of luxury. The same impression is gained by the continued output of chryselephantine temple statues (e.g., the Hera of Argos by Polykleitos [fig. 654]), the expensive dedications, the splendid character of the festivals and processions, and the defrayal by private citizens of costly state duties. The mental outlook may be gauged by the fact that this is the time of Euripides, Thucydides, Sokrates, and Aristophanes, following upon that of Herodotos and Sophokles. The old acceptance of traditional religion and customs is waning and there appears in its stead a new spirit of inquiry and scepticism, no longer confined as it had been in the sixth century to investigations of physical phenomena, but active now in the moral sphere. A time of individualism has begun.

(*c*) *Fourth Century* (400–323 B.C.)

The end of the Peloponnesian war was not followed—as had been that of the Persian wars—by an era of peace. Sparta's domination was even more distasteful to the Greeks than had been that of Athens; and when, after the battle of Leuktra (371), Thebes assumed the leadership, hostilities continued until her leader, Epameinondas, was killed at Mantineia (362), and therewith her power ended. It was clear that no one Greek city was able to impose her will on the others. Local independence was too deep-rooted. In the meantime a new experiment was being tried. The old idea of the city state was being enlarged and various confederations and leagues gradually formed round the most prominent states—for instance, the Athenian, Boeotian, Arkadian, Achaean, and Thessalian. Unfortunately this proved no solution. Local jealousies and bickerings continued until Macedonia under Philip (359–336) and Alexander (336–323) at last subjugated the whole of Greece.

As we review the art of the fourth century we realize how these long-drawn-out hostilities gradually impoverished Greece. Compared with the great periods of public building in the sixth and fifth centuries the output of the fourth century appears modest. In the first quarter of the century we can cite the temple of Asklepios at Epidauros with its small pedimental groups (figs. 716–718) and its delicate akroteria (figs. 710–713). The temple of Tegea with sculptures probably by Skopas (figs. 690–693, 696) was a magnificent undertaking, perhaps built to celebrate the overthrow of the Spartan yoke soon after 371. The temple of Apollo at Delphi, which had been burnt down in 373, was reconstructed shortly afterward by an international subscription. But the majority of artistic enterprises at this time were either private dedications and grave monuments (cf. figs. 317, 428)—for private fortunes do not always decline with public ones—or were undertaken outside of Greece proper by the princes of Asia Minor. The Mausoleum at Halikarnassos (figs. 720–722, 729, 730, 735, 313, 314, 228), the temple of Artemis at Sardes, the temple of Artemis at Ephesos (figs. 705, 703, 328), even such single masterpieces as the Aphrodite of Knidos by Praxiteles (fig. 668) were all commissioned in Asiatic Greece. And the prominent sculptors of the time had to go eastward to find important work. But that Greece was still capable of great things is proved by the appearance of three such geniuses as Praxiteles, Skopas, and Lysippos in the sculptural field and of thinkers like Plato and Aristotle. Drama also took a new lease of life with the comedies of Menander. We are clearly still in a creative period. The individualism initiated by such men as Euripides and Sokrates is reflected in the personal note of fourth-century sculpture. The impersonal grandeur of fifth-century art gives place to a gracious charm and delicacy. The quiet serenity of former times is still apparent, but it is no longer remote and impersonal.

(*d*) *Hellenistic Period* (323–30 B.C.)

WITH Alexander we have reached the so-called Hellenistic age. By a series of brilliant campaigns he conquered the old kingdoms of Asia Minor, then marched victoriously farther and farther east until he reached distant India. It was a remarkable achievement, the more so as it was consummated in the brief thirteen years of Alexander's reign (336–323). If he had lived he would doubtless have consolidated his empire and the consequences of this Greek penetration would have been even more far-reaching. But his premature death was the signal for revolts and disaffections everywhere and Alexander's vast structure crumbled immediately. But not entirely. After more than twenty years of continuous warfare and intrigues there emerged in 301 four large monarchies under Macedonian generals—Macedonia and Greece under Kassandros; Thrace and Asia Minor under Lysimachos; the Oriental provinces under Seleukos; and Egypt under Ptolemy. These four kingdoms, with some independent states like Pergamon and Rhodes, continued in existence for two or three centuries, marked by great undertakings but also by constant warfare. The Greek inability to form powerful political units again showed itself in these altered circumstances.

Endless quarrels and hostilities characterize the history of these kingdoms, until all-conquering Rome annexed one territory after another and finally in 30 B.C. included them all in her great empire, and thereby initiated a long era of peace.

The art of this Hellenistic period (323–30 B.C.) is a remarkable phenomenon. Though politically Greece has become a mere adjunct of Macedonia, from the point of view of culture she is still paramount. The small Hellenic city states have been enlarged to embrace the "Hellenistic" world; artistic activity has shifted to new centers —to Pergamon, Ephesos, Rhodes, Tralles, Alexandria; but the artists are still Greek and their products continue in the Greek tradition, modified both in scope and in spirit to correspond to the new outlook. In contrast to the earlier periods the majority of Hellenistic sculpture is not architectural. Commemorative single statues and groups predominate, and a new importance is given to portraiture (p. 83). Though in this long epoch of three centuries production was constant and extended over a wide area, it is difficult to trace any consecutive development. We note rather a constant borrowing and adapting from the past with here and there some original creations. It is equally difficult to distribute the material among local schools, e.g., of Pergamon, Rhodes, and Alexandria, though the attempt is constantly made. We note, to be sure, various tendencies, but they appear in different localities,[2] and inscriptions teach us that artists from all over Greece and Asia were at work at the same place (e.g., in Pergamon and Rhodes).[3] Individual styles apply to certain monuments, but not to localities.[4] In other words, Hellenistic art is truly international. For a general survey it is better therefore simply to enumerate some conspicuous datable works of this period.

The so-called Alexander sarcophagus from the royal burial place at Sidon (figs. 748, 176) is a product of the last quarter of the fourth century. The Antiocheia by Eutychides, a pupil of

---

[2] E.g., the "Alexandrian morbidezza" is found in only a few sculptures from Alexandria and in a considerable number from other sites (Priene, Chios, Athens, etc.).

[3] Cf. Loewy, *Inschriften*, Nos. 170 ff. Artists at work in Rhodes, for instance, hailed from Crete, Halikarnassos, Antioch, Laodikeia, Soloi, Miletos, etc.

[4] The vigorous "Pergamene" style is characteristic of the Galatian groups (see below), but is conspicuously absent from such statues as the Hermaphrodite from Pergamon in Constantinople (fig. 53) or the relief No. 90 in Constantinople. Furthermore, many sculptures in the vigorous "Pergamene" style have been found elsewhere than in Pergamon (e.g., the giant's head, No. 2506 in the British Museum, in Trebizond, etc.).

Lysippos, made after the foundation of Antioch in 300, is preserved in Roman copies (figs. 753–755). The portrait of Demosthenes by Polyeuktos (fig. 736) was erected in 280. All three are characteristic products of the early Hellenistic age.

Pergamon supplies us with valuable material for the succeeding period. Attalos I, king of Pergamon, won a momentous victory over the invading hordes of Galatians or Gauls who had long constituted a danger comparable to that of Persia more than two centuries ago. This achievement was commemorated in two splendid dedications. One was a group of statues erected either after the decisive victory in 241 or after the end of the war in 228. Marble copies of this group are preserved in the famous Dying Gaul in the Capitoline Museum, and the Gaul killing himself and his wife, in the National Museum in Rome (figs. 108, 178). The other memorial consisted of a group of statues, two-thirds life-size, of Gauls, Amazons, Persians, giants. They were set up on the Akropolis in Athens probably on the occasion of Attalos' visit there in 200 B.C., and were seen by Pausanias in the second century A.D.[5] From his description, copies of these originals have been recognized in several small statues in Naples, Rome, Venice, and the Louvre (cf. fig. 120). Eumenes II, son of Attalos, enriched his city with a series of splendid buildings, one of which was the great altar of Zeus with its famous frieze representing the battle of gods and giants (cf. figs. 177, 334, 335) and the smaller one with the adventures of Telephos (about 180–170). These three sets of sculptures give us a vivid picture of Pergamene activities during the second half of the third and the first half of the second century B.C. We know that for their production artists were employed not only from Pergamon, but from Athens, Ephesos, and Rhodes;[6] so that we must beware of claiming as Pergamene qualities which may be characteristic of their time rather than of one place.

As examples of second-century work from other localities we may mention the sculptures of the temple at Lykosoura by Damophon (figs. 757–760), the statues from Priene,[7] and the coarse reliefs from Magnesia in the Louvre.[8] A series of portrait statues found at Delos (unfortunately most of them not yet published) dates from the middle of the second century to about 88 B.C., the year of the sack of Delos (cf. fig. 240). To the first century may be assigned such brilliant works as the Borghese Warrior (fig. 107) by Agasias of Ephesos, the Laokoon by Hagesandros, Polydoros, and Athanodoros of Rhodes (figs. 763, 225), the Belvedere torso (fig. 766) and the bronze boxer (fig. 765) by Apollonios of Athens.

---

[5] I. 25. 2.

[6] Fraenkel, *Inschriften von Pergamon*, pp. 70–84; Pliny, *N.H.* XXXIV. 8 a.

[7] Wiegand-Schrader, *Priene*, pp. 366 ff.

[8] *Catalogue sommaire des marbres antiques*, No. 2881.

It is difficult from such heterogeneous data to trace any consecutive development. On the whole we may say that the earlier traditions are still strong in the late fourth and the third century, while the later Hellenistic age is characterized by a somewhat baroque realism. Yet even then there is a constant harking back to earlier types, so that we get classicist and exaggeratedly realistic work side by side. Taken as a whole the three Hellenistic centuries present a singularly confused spectacle compared with the steady trend of the earlier epochs.

As a matter of fact Greek history and Greek art in the narrow sense stopped with the subjugation of Greece by Macedonia. With the loss of their independence the city states seem to have lost the mainsprings of their existence, and henceforth there is merely an outward show of what was most characteristic in Greek life—their constitutions and law courts, their festivals and games, and their religion. Though their culture spreads triumphantly eastward, at home the sources of creation gradually dry up. There is an intermittent revival of the Greek genius, for instance, in the sculptors of the Pergamene groups and of the Laokoon, and there is a certain enlargement of sympathy and so of scope (pp. 83 ff.). But such flashes of real genius are few and occur mostly outside Greece proper; at home art is content to feed on the past and to reproduce and adapt the products of the great creative periods of the fifth and the fourth centuries. And Rome, triumphant Rome, follows in the same footsteps during the succeeding centuries.

When we blame Greece for her inability to combine into one political unit, and when the constant strife and bickerings between the various Greek states contrast unfavorably with the steady purpose of Rome, let us remember that there is another side to the story. The same spirit which created trouble in Greece, that love of local independence which would not brook the overlordship of a neighbor, is also responsible for the individualistic artistic output of these city states. The friendly rivalries among the artists, poets, and philosophers of the different states who were allowed to develop their genius in an atmosphere of freedom must be set against the bitter political animosities. And the fact remains that Rome with all her political genius was a beggar and borrower in art. Since nations no more than individuals combine all the qualities, we must choose what appears of the most permanent value, or at least appreciate the circumstances which allowed each people to make its particular contribution. And with Greece it was essentially the spirit of freedom that stimulated artistic enterprise. "We have received from our ancestors a free state" is the proud boast of Perikles to his fellow Athenians.[9] With no other form of government would the buoyant, idealistic sculpture of Greece have been possible.

(*e*) *The Greek View of Life*

In conclusion, before we pass to our next chapter and to the consideration of the sculpture itself, let us pause a moment to consider what was the view of life that was evolved by this Greek civilization. What was the background of ideals against which Greek sculpture was created?

Civic Ideal

The civic ideal of Athens at the height of her power (431 B.C.) is admirably brought out in the famous funeral speech of Perikles as recounted by Thucydides[10] in his succinct, pregnant style. Briefly and with restraint Perikles enumerates the things that Athens values, that make up her creed of life. They are, first, a democratic form of government where "the administration is in the hands of the many and not of the few," where "the law secures equal justice to all alike," and where "the claim of excellence is recognized," so that "when a citizen is in any way distinguished, he receives public advancement, not as a matter of privilege, but as the reward of merit"; in short where "a man may benefit his country whatever be the obscurity of his condition." It is not a blatant democracy: "A spirit of reverence pervades our public acts; we are prevented from doing wrong by respect for the authorities and for the laws, having an especial regard for those which are ordained for the protection of the injured as well as for those unwritten laws which bring upon the transgressor of them the reprobation of the general sentiment." And in this democracy it is individual responsibility that is fostered: "We regard a man who takes no interest in public affairs, not as harmless, but as a useless character; and if few of us are originators we are all sound judges of a policy." Courage and skill in warfare are encouraged, not, as at Sparta, by intensive military training but by an all-round education: "Whereas they from early youth are always undergoing laborious exercises which are to make them brave, we live at ease, and yet are equally ready to face the perils which they face." "And thus our city is equally admirable in peace and in war. For we are lovers of the beautiful, yet simple in our tastes, and we cultivate the mind without loss of manliness. Wealth we employ, not for talk and ostentation, but because of the opportunities for action which it affords." (And let us remember here that the wealthy were called upon to bear heavy expenses for the state, such as the defrayal of trierarchies [i.e., the maintenance of warships], of the *choregia* [the equipment of the costly choruses of tragedies, etc.], and of embassies to Delphi, etc., which the patriotism of the city demanded to be in a fitting style.) The brilliant festivals with their colorful processions, the contests of athletic prowess, music, and literature, the unsurpassed art of the Periklean age are thus simply described: "We have provided for our minds very many relaxations from toil; we have regular games and sacrifices throughout the year;[11] our personal establishments are handsome; and the delight which we daily feel in these things banishes vexations." An amazingly concise and eloquent description by someone who does not believe in long speeches; for he proceeds with this beautiful appeal: "Instead of listening [to a discourse on a brave defense] I would have you day by day fix your eyes on the greatness of Athens, until you become filled with love of her."

---

[9] Thucydides II. 36.

[10] II. 35 ff.

ATHLETICS

As a preparation for this civic life the young Athenian was trained in athletics and in music (cf. p. 25). We know that athletic prowess was encouraged by the games at Olympia and elsewhere and that to the victor was given great honor (cf. p. 29). Even in our days of sport enthusiasm some of Pindar's odes in praise of these young athletes seem somewhat excessive in tone. But we must remember that to the Greeks, at least to the enlightened ones, a perfect body was also a means to a higher end: "In keeping the harmony of his body in tune, his constant aim is to preserve the symphony which resides in the soul."[12]

---

[11] There were about seventy feast days in the year. The great Panathenaia took place once every four years and lasted six to nine days. It consisted of musical and athletic contests, warlike exercises, torch and boat races (at the Peiraieus), and an impressive procession immortalized for us on the Parthenon frieze.

Music

This "symphony" was fostered by music: "The music master makes rhythm and harmony familiar to the souls of boys, and they become gentler and more refined and having more rhythm and harmony in them they become more efficient in speech and in action. The whole life of man stands in need of good harmony and good rhythm."[13]

Greek literature is full of this ideal of harmony and temperance: "A day can prostrate and a day upraise all that is mortal; but the gods approve sobriety and forwardness abhor."[14] "God has everywhere assigned superiority to the mean, though the ways of his administration vary."[15] The underlying theme indeed of most Greek tragedies is the punishment of ὕβρις. The procession of maidens in the Parthenon frieze (fig. 291), and such figures as the Idolino (figs. 43, 44) and the Farnese Diadoumenos (fig. 621) show us this ideal of reverence and temperance embodied in art.

Love of Knowledge

But what the Greeks considered most characteristic of themselves was love of knowledge: "The spirited element . . . is attributed . . . to the natives of Thrace, and Scythia, and generally speaking of the northern countries; the love of knowledge would be chiefly attributed to our own country; and the love of riches people would especially connect with the Phoenicians and the Egyptians."[16] This "knowledge" comprised, for the elementary education, reading and writing (included in music, μουσική), mathematics, and the study of the poets, especially Homer (the average Greek seems to have known his Iliad and Odyssey by heart). A promising youth would proceed to natural science, rhetoric, grammar, and above all philosophy; for his nimble mind was ever ready for speculation. Plato in the Academy, Aristotle in the Lyceum, and the prominent Sophists supplied this need for higher education. The quality of this speculation is shown by the saying which Plato had put over the Academy: "Let no man ignorant of geometry enter here." And the wide range of knowledge covered by the educated Greek is suggested by the variety of subjects on which he wrote. Not many learned men of today would write authoritatively on Law, Kingship, Piety, and the

---

[12] Plato, *Republic* IX. 591.

[13] Plato, *Protagoras* 326 B.

[14] Sophokles, *Ajax* 131 ff.

[15] Aischylos, *Eumenides* 520.

[16] Plato, *Republic* IV. 435.

Origin of the Universe,[17] or combine the professions of an astronomer, a geometer, a physician, and a legislator.[18] In Greece this was the rule rather than the exception.

Festivals

And then the Greek loved spectacles and sights. It was part of his joy of life and of his aesthetic sense: "Does he [the tyrant] not bury himself in his house and live for the most part the life of a woman, while he positively envies all other citizens who travel abroad and see grand sights?"[19] It is to satisfy this love of "grand sights" that the many processions and festivals were instituted in Greek life.

It has often been noted that the Greeks rarely speak of art. Compared with us, indeed, they are strangely inarticulate on the subject. But then they were an extraordinarily artistic nation in whom art was evidently taken for granted. Even so their power of analysis enabled them here, too, to judge clearly. Art to them was an end in itself, not a means to teach something else. "Have the arts severally any other interest to pursue than their own highest perfection?"[20] How refreshing is this objectivity after the subjective estimates of many of our writers!

Religion

Interwoven into each one of these Greek ideals was religion. There was the religion of certain prescribed rites and sacrifices in the worship of the various gods and goddesses, a merely formal observance day by day, and yet one which continually connected life with immaterial values; and there was the religion which transcended current beliefs and found its popular expression in the Eleusinian mysteries or produced a mystic like Plato to whom the objective world was merely a symbol of reality. But however deep or shallow, however analytical or unquestioning, this religion stirred the Greek soul to aspiration and creation.

Public life, then, service to the state in time of peace and war, the cultivation of the body and the mind by athletics, music, poetry, mathematics, and philosophy, relaxation in games, the theatre and processions, and a reverent worship of the supernatural—these made up the chief activities of an Athenian citizen. It is a radiant picture which Athens presents to us of a full and rounded life, perhaps the sanest that man has evolved; but in fairness we must remember that this life was only for the select—the male Athenian citizens, and that women, metics (resident aliens), and slaves were excluded from much of it. In the census of Demetrios Phalereus (317–307) there were counted in Athens 21,000 citizens, 10,000 metics, and 400,000 slaves. Before the Peloponnesian war the number of citizens was somewhat higher, and totaled perhaps about 35,000. Nevertheless the proportion of the privileged class was small. The metics were not allowed to vote or hold political office. The slaves, though from all accounts generally well treated, had few of the privileges distinctive of Greek life. And the women mostly led a quiet life indoors, apart from the intellectual and athletic life of the men. This exclusion of a large part of the population from what was most valuable in Greek life we must always remember in our estimate of it.

---

[17] Like, e.g., Akellos, cf. Diogenes Laertios VIII. 80.

[18] Like, e.g., Eudoxos of Knidos, cf. *op. cit.* VIII. 86.

[19] Plato, *Republic*, IX. 579.

[20] *Ibid.*, I. 341.

CHAPTER II

THE GENERAL CHARACTERISTICS OF GREEK SCULPTURE

BEFORE studying Greek sculpture in detail we must view it as a whole and analyze its general characteristics. Perhaps nothing could bring home to us better the difference in horizons between the Greeks and ourselves than the comparison of a work such as Bourdelle's Beethoven (fig. 1) with, let us say, the head of Kladeos from Olympia (fig. 2). Both are great works of art. In each the sculptor has been able to sum up the spirit of his age, and to lift it to a spiritual plane. But what a contrast between the fresh, forward-looking purity of the one and the brooding comprehension of the other! The life that was simple and joyous has become infinitely complex. For we must remember that when the Greeks of classical times began their career civilization was still young. Everything that has happened in the last three thousand years was to them non-existent. It is difficult to realize at once what this implies. It means that their artistic background was confined to the products of Egypt, Mesopotamia, and, in part, of Crete; and even of these their knowledge was limited, especially in literature, for what existed of Eastern writings was not easily accessible. Their own past was dimly remembered in the form of myths and legends. So practically the only literature they knew was Homer; the only history they were cognizant of was the Trojan war. In religion they had come in contact in the East with beliefs in heterogeneous gods and monsters, and from this they had developed the anthropomorphic religion found in Homer and Hesiod. In other words, most of the influences —artistic, intellectual, and religious—which act upon the modern man were as yet unformed. The background was simpler and the human mind had the freshness of youth.

In the centuries in which the classical Greek civilization was developed great changes happened. From its primitive beginning it passed through many stages to a more complicated outlook, and during this time it created a large part of what constitutes our

Western culture. Nevertheless, it is possible to view the Greek mind as a whole. We will endeavor to do so and to see how its quality determined the character of Greek sculpture.

The Greek Mentality The three outstanding characteristics which strike us when we analyze the Greek mentality applied to art are directness, agility, and a feeling for beauty.

Directness The directness was no doubt largely the result of a simpler outlook. It is a quality which we with our more complicated natures have lost; and when we come in contact with it, it affects us like a fresh breeze on a sultry day. It enabled the Greeks to keep their eyes on the essentials without the distraction of superfluous details. In literature this shows itself in their vivid similes, their keen observation, and also in a bald sincerity in stating facts.[1] Take such a description as Aischylos': . . . *ταχύπτεροι πνοαὶ, . . . ποντίων τε κυμάτων ἀνήριθμον γέλασμα, παμμῆτόρ τε γῆ,*[2] "Swift winged winds . . ., and numberless laughter of waves, and earth the mother of all." Could there be a truer and more beautiful description of the much-besung wind and sea and earth? It reaches out to the chief quality of each, transforms it into poetry, and creates thereby something fundamental and permanent. Or take Klytaimnestra's analysis of her emotions (in Sophokles' Elektra[3]) when she hears of the death of her son Orestes, whose vengeance she dreaded: "Are these glad tidings? Rather would I say sad but of profit." It is a simple statement of the case, without pretense or blinking of facts; and perfectly concise. Greek literature is full of these pregnant, clear-eyed sayings. The much-quoted epitaph, "His father Philip laid here to rest his twelve-year-old son Nikoteles, his high hope,"[4] is another example of this combination of sincerity and conciseness. What could be added to the essential facts conveyed in "laid to rest," "twelve-year-old," and "high hope" which would not be a superfluity? And let us remember Aristotle's definition of superfluities, "That which makes no perceptible difference by its presence or its absence is no real part of the whole."[5]

It is this feeling for the whole unencumbered by superfluities which gives Greek art its peculiar greatness. At the very beginning of his career the Greek sculptor went straight to the essentials. In the early "Apollo" statues (cf. figs. 15 ff.) why is it that in spite of their stiffness and faulty construction they are full of life? Because the important functional parts of the body are properly accented, the details are omitted, and each and every part passes into and connects with the adjoining part. In the Apollo of Melos, for instance, what a clear realization we obtain of the anatomical structure—the chest, the abdominal region, the pelvis, the kneecap, and ankle; the arms are not suspended from, but seem to grow from, the shoulders, the legs from the trunk, the head from the neck; and so on with every member. Moreover, the rendering is simplified; the important parts are made to stand out and there are no incidents, no superfluities. The result is that we have the impression of an organic whole which can function and live. And this is true of all Greek sculpture during its best periods.

---

[1] For an excellent discussion of this subject, cf. Livingstone, *The Greek Genius and Its Meaning to Us*

[2] *Prometheus Bound* 88 ff.

[3] 766.

[4] Kallimachos, *Epigr.* 19.

[5] *Poetics* 8. 4.

Agility

The second outstanding characteristic of the Greeks we may take to be their agility. It was stimulated doubtless by the geography of the country. For the combination of mountains and sea tended both to separate the Greek peoples from one another and to stimulate emigration. The mountains acted as barriers and the sea invited adventures. Hence the formation of a number of separate communities distributed over a large area including Greece, western Asia Minor, the Aegean Islands, southern Italy, and a few outlying places in Spain and France. This double circumstance insured on the one hand compact community life in small city states, on the other the variety of stimulus derived from heterogeneous peoples; all of which made for lively activity, because individual responsibility in a small state and rivalry with other states are apt to invite energy. This striving for adventure and for knowledge led the Greeks into many untried paths. It is responsible for the amazing number of their discoveries in almost every field of intellectual activity. "To be learning something is the greatest of pleasures, not only to the philosopher but also to the rest of mankind, however small their capacity for it," is Aristotle's definition of happiness[6] of which Plato's more imaginative rendering is, "He whose heart has been set on the love of learning and on true wisdom and has chiefly exercised this part of himself, this man must without fail have thoughts that are immortal and divine."[7]

---

[6] *Poetics* IV. 4.

[7] *Timaios* 90 A.

In sculpture this agility of mind and this love of knowledge are likewise responsible for a great deal. They meant progress and development. Without them Greek sculpture might have remained stationary, never surpassing the attainments of Oriental artists. The Egyptian sculptor, for instance, with all his wonderful feeling for the value of essentials, practised his art for thousands of years without solving some of its main difficulties. He followed throughout the old law of frontality,[8] his modeling never became faultless, and in his reliefs proper perspective was never attained. The agile mind of the Greek determined to wrestle with these problems. Not content with what had been accomplished before him, he was eager to solve new problems, and so he started out on his adventure of representing a human body in all manner of postures, with bones and muscles correctly indicated, in proper relation and in right perspective, both in the round and in relief. To a pioneer in the field it was a formidable task. But with infinite patience the Greek artist accomplished it, and his solution of these problems was like the removal of shackles which had hampered the free development of art for generations. Thenceforward the road was clear. In a century or two we pass from the Apollo of Tenea (fig. 22) to the Idolino (figs. 43, 44), from the Nike of Delos (figs. 77, 78) to the Nike of Paionios (figs. 637, 638), from the Spartan ancestor relief (fig. 468) to the Hegeso stele (fig. 429).

Feeling for Beauty

A love of truth and of knowledge could easily have made realists of the Greeks; but their realism was transformed into idealism by their third great characteristic—their feeling for beauty. Beauty to them was not something apart from daily life but interwoven into every phase of it. The beauty of their own landscape undoubtedly quickened their sensibilities in this direction. Its grandeur and suavity, its rich colors and fine contours, its elusive, subtle quality would inevitably influence a young, impressionable people. It would incline them to regard beauty as an integral part of their lives and to find their happiness in the loveliness of their immediate surroundings. And their sense for beauty grew so strong that it became the underlying principle in their lives. For they made a great discovery—one that we have lost since, perhaps through Puritan interpretations, but are beginning to realize again—that goodness and beauty are identical, not only figuratively but actually. "Virtue it appears will be a kind of health and beauty and good habit of the soul; and vice will be a disease and deformity and sickness of it," says Plato in his Republic;[9] and with the Greeks it was a generally accepted principle. "Then good language and good harmony and grace and good rhythm all depend upon a good nature, by which I mean a mind that is really well and nobly constituted in its moral character," Plato says again in his Republic;[10] and in his Symposion:[11] "From the love of the beautiful has sprung every good in heaven and earth." Most eloquent of all is the current Greek expression for a "gentleman"—καλὸς κ'αγαθός, "beautiful and good." As we have seen (p. 17), Greek and especially Athenian education was planned directly with this end in view; and athletics and music were given the most prominent places, one to foster the beauty of the body, the other of the mind. That exercise develops the body is easily accepted by us today; but that art and music make men good is not so generally believed. Yet the Athenians practised this creed with good results; at least they won a reputation, Plato tells us, "throughout Europe and Asia" "for the beauties of their bodies and the various virtues of their souls."[12] Let us learn from Plato how this can be accomplished. In dealing with the education of his guardians in his Republic,[13] he gives us a specific account. Sokrates asks: "Ought we not to seek out artists who by the power of genius can trace out the nature of the fair and the graceful, that our young men, dwelling as it were in a healthful region, may drink in good from every quarter, whence any emanation from noble works may strike upon their eye or their ear, like a gale wafting health from salubrious lands, and win them imperceptibly from their earliest childhood into resemblance, love, and harmony with the true beauty of reason?" And when Glaukon assents Sokrates continues: "Is it then on these accounts that we attach such supreme importance to a musical education, because rhythm and harmony sink most deeply into the recesses of the soul, and take most powerful hold of it, bringing gracefulness in their train, and making a man graceful if he be rightly nurtured?" And finally he sums up, "There can be no fairer spectacle than that of a man who combines the possession of moral beauty in his soul with outward beauty of form, corresponding and harmonizing with the former, because the same great pattern enters into both." Translated into conduct this aesthetic ideal became a reverence for sobriety and temperance. As an imaginative, southern people the Greeks no doubt had strong feelings difficult to control; but they recognized that temperance was a kind of harmony, and therefore desirable. So *μηδὲν ἄγαν*, "nothing too much," became their motto, and *ὕβρις*, "insolence," their abomination.

---

[8] Frontality I take to mean a perfect symmetry in the two sides of the body, i.e., the equal distribution of weight on the two legs. This admits of the torsion of the body which we find adequately rendered in Egyptian sculpture.

---

[9] IV. 444.

[10] III. 400.

[11] 197.

[12] *Timaios* 21 A–25 D.

[13] III. 401–402.

Naturally in the art of sculpture the Greek sense of beauty found a fruitful field. It is directly responsible for the most characteristic quality, idealism. The creation of beauty was the sculptor's chief interest and his types are selected with this end in view. "But when you want to represent beautiful figures," says Sokrates to the artist Parrhasios, "since it is not easy to find everything without a flaw in a single human being, do you not then collect from a number what is beautiful in each, so that the whole body may appear beautiful?" And Parrhasios admits that such is their practice. This sums up very simply the Greek point of view. It is not realism and truth to nature but perfection of form that the Greeks consciously strove for. And this beauty of form was further enhanced by their feeling for design, which gave to their work a highly decorative quality. It is particularly strong in the archaic period when stylization took the place of correctness of modeling, but it was not lost even in the more naturalistic periods, and always gives style to the whole—the style which distinguishes art from nature. Indeed it is this sense of composition which the Greek regarded as perhaps the most important element in a work of art. It is clearly brought out in the definition of beauty given by Plotinus:[14]

> What is it that impresses you when you look at something, attracts you, captivates you, and fills you with joy?
>
> We are all agreed, I may say, that it is the interrelation of parts toward one another and toward the whole, with the added element of beauty in color, which constitutes beauty as perceived by the eye; in other words, that beauty in visible things as in everything else consists of symmetry and proportion. In fact, nothing simple and devoid of parts can be beautiful, only a composite.

---

[14] *Ennead* I. VI. i. Though Plotinus lived in the third century A.D. his teachings are largely borrowed from Plato and other philosophers of the fifth and fourth centuries B.C.

This joy in "symmetry and proportion" can be clearly detected in all Greek art.

Another important factor in the "idealism" of Greek sculpture is its simplification. The Greek sculptor felt that to translate the human body into a work of art he must harmonize the constant change and restlessness of nature and create a unity. We have already spoken of his simplified modeling, his elimination of the unimportant details, and his restriction to the essentials. Equally important was his simplification of the design. His statue was contained in a unified space,[15] that is, a space with restricted depth. For instance, if the Apollo of Melos (fig. 19) were placed between two sheets of glass the space occupied by the statue would be uniform; no part would unduly protrude; the whole figure is designed as a compact whole. This becomes specially noteworthy in groups or in figures in motion. In the Rhombos statue[16] (figs. 5, 6) a sheet of glass applied to the front would strike the calf's head, the man's head, and the forearms. One applied to the back would touch the calf's body and the man's body. In the fifth-century Niobid in the National Museum in Rome[17] (fig. 4), the farther arm and leg are in one plane, the nearer arm and leg in another; the volume is no deeper than in a relief. That such compactness is not true to nature we realize when we think of how a man carrying a calf would look in reality—how his arms, the calf's legs and head would extend in different directions, considerably beyond the plane of his head and body. Or if a living human being were to take the pose of the Niobid sinking down on one knee and lifting one arm to extract an arrow from her back, her legs would probably be in one direction, her arms in another. We should get an effect similar to the Falling Gladiator by Rimmer (fig. 7), where the arms and legs are designed in opposite planes; so that if we should apply our imaginary sheets of glass the depth occupied would be considerable. For this real air space the Greek sculptor substituted an ideal space unity. It is important to understand and realize this characteristic of Greek sculpture; for it is very largely through this simplification of space that a Greek statue acquires its dignity and grandeur. A unified space can be calmly taken in by the human eye without distraction, and thereby a statue attains that sense of quiet and detachment which makes art a refreshment to the spirit.

---

[15] Cf. on this subject Hildebrand's remarks in his illuminating book, *Das Problem der Form.*

[16] Dickins, *Catalogue of the Akropolis Museum,* No. 624.

[17] Paribeni, *Le Terme di Diocleziano e il Museo Nazionale Romano,* No. 369; Arndt, in Brunn-Bruckmann, *Denkmäler,* pls. 706–709.

This "relief conception," as it has been called by Hildebrand, was inherited by the Greeks from the Egyptians; it was further stimulated by the universal practice of stone carving, in which the restricted volume of the block had to be considered, as well as by the large demand for architectural sculpture with its uniform depths of pediments and metopes. But that the Greeks recognized its importance from an artistic point of view is shown by their practice of it even when working in bronze or with figures in which no background had to be considered. It is not until the very latest period, in such creations as the Dirke monument (fig. 767), that this conception is given up, and the result is, we feel immediately, restlessness and confusion.

Still another determining element in the idealistic impression of Greek sculpture is beauty of contour. So much of Greek sculpture was out in the open to be viewed from a distance that the outline counted for much; and it is the lovely undulating outline of a Greek statue which impresses us from the first. Indeed this feeling for contour was so strong in the Greek artist that it shows itself in all his work, not only in the design of the whole figure, but in every part of it—the oval of the face, the swing of the eyelids, the curve of the lips, the drawing of the muscles and of the folds of the drapery. It is an extraordinarily strong sense for beauty of line—which found expression also in vase painting.

It is, then, sense of structure, simplification of modeling and design, good proportion, and beautiful contour that stand out as the salient features of Greek sculpture. By them it acquires the grandeur which we feel in its presence. They give it its spiritual quality. And since art is a spiritualization of nature it is this spiritualizing quality which is fundamental, and without which a representation, however correct, is not a work of art. And so Greek works, even before correctness of form has been attained, have the distinguishing traits of great art.

CHIEF USES OF GREEK SCULPTURE

From our analysis of the Greek mind and its influence on Greek sculpture we must pass to the chief uses of sculpture in Greece; for the nature of the demand of course affects the character of the supply.

Sculpture in Greece was largely religious. Its chief use was for the decoration of temples either as pediment groups, friezes, or akroteria, for the cult statues of deities placed in the cella, and for votive statues and reliefs dedicated in sanctuaries. A large proportion of the sculpture that has survived is therefore architectural. This demand early developed the technique of relief as well as the composition of large groups (p. 117). We should never have had the superb creations of the western pediment of the Olympia temple (fig. 391) or of the Parthenon frieze but for the long history which preceded them and which gave the sculptor ample opportunities of development. But these pediments and friezes could not vie in importance with the cult statues placed in the interiors of temples. It was round them that the popular worship centered and it was by them that the people obtained a concrete realization of their gods. And so to embody his vision of the deity in a great temple statue was the highest task of a Greek sculptor. Unfortunately hardly any of these statues have survived. We have only descriptions and small reproductions by which to visualize the colossal chryselephantine statues by Pheidias, Polykleitos, and Alkamenes. In every estimate of Greek sculpture, therefore, we must remember that its finest creations have been irretrievably lost.

Another important demand for sculpture in Greek times was created by the custom of erecting statues of the victors in the athletic contests given in honor of Zeus, Poseidon, Hera, etc. The statues stood in the public places and in the sacred enclosures in which the games had taken place, and the young athletes were mostly represented nude, for that is how they had engaged in their contests. This practice and the athletic ideal which prompted it led to the development of the nude male type as a favorite form. Not only athletes but gods and heroes were so represented. In this series of nude male figures the ideal human form was gradually worked out and became one of the greatest achievements of Greek sculpture.

Commemorative sculptures which are so popular today also played an important part in Greece. A significant victory would be celebrated by the erection of a statue or group, like the Nike of Paionios at Olympia (figs. 637, 638), or the bronze Athena of Pheidias on the Akropolis (fig. 594) which was an offering "from the spoils of the Persians who landed at Marathon." The group of the Tyrannicides (fig. 571) set up on the market-place would remind Athenians every day of their liberation from the tyrants and of the value of their democratic institutions. We hear also of large groups of several figures, e.g., statues of Athena, Apollo, Miltiades, Erechtheus, Kekrops, Pandion, Aigeus, and five other heroes, another offering "from the spoils of Marathon" by Pheidias. Such groups in the round must have been remarkable achievements, and it is a grievous loss that they have disappeared. The erection of portraits of distinguished men became increasingly popular as time went on.

Besides these more or less public uses of sculpture there was a large private demand for grave monuments. The chief forms adopted were slabs with reliefs representing the departed, either alone or surrounded by sorrowing relatives, statues in the round, slabs crowned by finials, and vases decorated with reliefs. They supply us with some of the most touching and most "personal" representations we have in Greek art. These sculptured grave monuments remained in vogue until the end of the fourth century B.C. when the "anti-luxury" decree of Demetrios put a sudden stop to this artistic expression (p. 133). Their constant use during three centuries greatly furthered the development of relief technique.

SUBJECTS

It is important to become familiar also with the subjects represented in Greek sculpture; for the Greek artist had an entirely different repertoire from our own. Early Christian, mediaeval, and Renaissance art are from this point of view much nearer to us, since they need little explanation; but when we enter the Greek field we are stepping into an unknown land; and we must be careful to leave behind us any preconceptions we may have.

We have seen how the athletic ideal helped to concentrate interest in the human figure. It accustomed people to seeing the human body in all manner of postures and to appreciating its beauty. Moreover, the Greek with his love of the normal had a tendency to humanize everything. His gods and goddesses are no longer monsters, as often in Eastern art, but assume human form; so do the Nymphs, Satyrs, Centaurs, Tritons, and the other personifications of nature. Even when these start with hybrid shapes they soon lose their animal characteristics and gradually become more and more human. And so Greek sculpture consists largely of figures of human beings representing divinities, heroes, and athletes. Animals and decorative motives find a place and an important one, but they are nevertheless secondary. The human figure is the theme par excellence.

Mythological

Joined to this humanizing tendency the Greeks had a love for story-telling. Much of Greek religion consists of stories about gods and goddesses and heroes; and these manifold imaginative tales would naturally make a great appeal to the artist. They supplied him with the most varied material, which he used so constantly that definite standardized types soon emerged. Plato's words about literature apply equally well to sculpture and painting, "Art eschewed novelty and was framed after the pattern of those foundation myths which the poets have made familiar." So we must become conversant with these "foundation myths." And a delightful process it is; for these stories have the freshness and imaginative quality of a poetic people. In entering this world of Greek fiction with its contests of Lapiths and Centaurs and Amazons, its wonderful deeds of heroes, and its manifold adventures of gods and goddesses, we feel very near the beginning of civilization. We sense the vivaciousness and naïveté of youth. No doubt some of the myths have a historical background; some are certainly rooted in actual experience; but the poet when he took his material transformed fact into fancy and then the artist translated this fancy into a beautiful picture. And so in our interpretation of Greek mythology in Greek art let us endeavor to catch the lovely simplicity of these spirited stories directly and concretely told. It is easy for us with our modern, complicated minds to read our own thoughts into these representations and endow them with far-fetched symbolic significance. But thereby we lose the early Greek flavor and become more like the late Latin commentators. Take, for instance, the tale of the birth of the goddess Athena from the brain of Zeus. To a modern artist it would inevitably have suggested the coming of the spirit of wisdom from the thought of the mightiest god, and he would have tried to convey the idea with appropriate grandeur. The Greek instead adopted a version of almost childlike literalness (fig. 3). We have Zeus in the center, Hephaistos splitting his head open with his axe, a little Athena emerging fully armed, and the goddesses of childbirth ministering on either side; no symbolism, only a refreshing fairy tale. Or take Theseus and Herakles in their many contests with monsters. How close to us the thought of the knight purging the world of evil, how dear the wish to see this moral conveyed! But to the Greek artist the hero was always Herakles with his lion's skin and club or Theseus with his little chiton and his sword (fig. 11) or Perseus with his distinctive paraphernalia, tackling in various ways these dangerous creatures. The whole interest lies in the contest, in the story, and in its artistic rendering. Its subjective significance was outside the artist's scope.

In this connection we may again quote Plato;[18] for in his analytical time a few learned people were beginning to lose the childlikeness of earlier days and search for far-fetched interpretations. When Sokrates is asked by young Phaidros whether he believes in the story that Boreas carried off Oreithyia he gives an illuminating answer, which it may be well to quote at length, for it states the case admirably: "If I disbelieved," Sokrates says, "as the wise men do, I should not be extraordinary; then I might give a rational explanation, that a blast of Boreas, the north wind, pushed her off the neighboring rocks as she was playing with Pharmakeia, and that when she had died in this manner she was said to have been carried off by Boreas. I think, however, such explanations are very pretty in general, but are the inventions of a very clever and laborious and not altogether enviable man, for no other reason than because after this he must explain the forms of the Centaurs, and then that of the Chimaira, and there presses in upon him a whole crowd of such creatures, Gorgons, Pegasoi, and multitudes of strange, inconceivable, portentous natures. If anyone disbelieves in these, and with a rustic sort of wisdom, undertakes to explain each in accordance with probability, he will need a great deal of leisure. Now I have no leisure for them at all. . . . And so I dismiss these matters and accept the customary belief about them."

Surely our interest also lies in these customary beliefs of the people who produced and enjoyed the art which we are endeavoring to understand. So we cannot do better than follow Sokrates' advice and not spoil a fairy tale with a laborious mind. We must remember, then, that the only symbolism we shall find in Greek art is the concrete one by which pebbles suggest the beach (cf. fig. 12), a fish the sea, a growing plant the meadow (cf. fig. 9), a pine tree the mountain (cf. fig. 10), a reed the river bank (cf. fig. 8), and a column the house. This practical symbolism was freely used, for such shorthand methods were useful and easily understood, and were thoroughly in line with the Greek tendency to simplification.

---

[18] *Phaidros* 229 D.

The large mass of architectural sculptures—the pediments of the temples, the continuous friezes, the metopes—have almost invariably mythological representations—either legends directly associated with the deity to whom the temple was dedicated (e.g., the birth of Athena and her strife with Poseidon in the pediments of the Parthenon), or the familiar contest scenes of Herakles, Theseus, Lapiths, etc. Only occasionally is there a scene from actual life, for instance, the Panathenaic procession in the Parthenon frieze; though here too the subject is lifted to a higher plane by the actual presence of the gods on the eastern side. The almost total absence of historical representations is striking. Even in single sculptures erected to celebrate a specific victory such subjects are rare; when Miltiades is introduced in Pheidias' group commemorative of the battle of Marathon[19] he is associated with Athena, Apollo, and various heroes; the representation of Greeks and Persians on the frieze of the temple of Athena Nike is exceptional. We have not a single representation of the battles of Thermopylai or Salamis, of the Peloponnesian war, of the great plague, of the Sicilian expedition; in short, of the outstanding events which formed the chief preoccupation of the Greeks of the fifth century. How different the Romans or the Egyptians and Assyrians with their endless friezes recording their triumphs over their enemies; how different we ourselves with some of our war monuments and realistic pictures of contemporary battles! The Greeks, in order to convey the strife and stress of their time, had recourse to mythological contests, or to the semi-legendary events of the Trojan war.[20] These were far enough removed to admit of safe treatment, which with the constantly changing alignment of the Greek states was probably an important point. At all events, the Greeks knew that history with the strong partisan and bitter feeling it arouses is not an appropriate subject for sculpture. The same is true of contemporary political events. The Greek was distinctly a "political animal." Of all his contributions to mankind he prided himself most on his civic ideal. Every Athenian citizen was a representative in Congress and a legislator in the law courts. But that part of his life was passed over by the artist. And probably for the same reason for which contemporary wars were omitted—that controversial subjects do not belong to the realm of art.

---

[19] Pausanias X. 10. 1. In Mikon's famous painting of the battle of Marathon, Athena and some popular heroes (Theseus, Herakles, and Echetlos) are likewise introduced (Pausanias I. 16).

[20] We have a few exceptions to this general rule in Greek paintings, for instance in the representation of the battle of Oinoe in the Poikile (Pausanias I. 15).

Daily Life

There were some other aspects of daily life, however, which found a place in Greek sculpture. Not only single statues of athletes but chariot groups were popular dedications; and occasionally even in the fifth century we hear of such "genre" subjects as the statue by Styppax of "a slave roasting entrails and kindling a fire with a blast from his swollen cheeks."[21] In the Hellenistic period such themes greatly gained in vogue, especially in bronze and terracotta statuettes (cf. p. 82). But the most frequent representations of daily life occur on the grave monuments where the departed were shown in their favorite occupations, as their families liked to remember them. To us these pictures of Greek life are singularly precious; for they are contemporary illustrations of familiar happenings and as such eloquent and trustworthy. We see here men represented as warriors or athletes; women busy with their spinning or putting on their jewelry; children playing ball or caressing their pet animals; and in the family groups we gain a realization of a happy and affectionate family life. And, always, these renderings are simple and direct—with no trace of sentimentality or exaggeration, but with the Greek note of serenity which makes of them something typical and permanent. We are reminded of Nietzsche's famous saying: "Die Griechen sind, wie das Genie, einfach: deshalb sind sie die unsterblichen Lehrer."

---

[21] Pliny, *N.H.* XXXIV. 81.

CHAPTER III

TENTATIVE CHRONOLOGY OF OUTSTANDING GREEK SCULPTURES

Period	*Monument*	*External Evidence*
c. 650–625[1]	Metope from Mycenae (Poulsen, *Der Orient und die frühgriechische Kunst,* p. 151, fig. 178)	Comparison with heads on proto-Corinthian vases (placed before 628, the date of the foundation of Selinus, since proto-Corinthian pottery has not been found there; cf. Payne's forthcoming book on Corinthian ware).
	Nikandre (fig. 263)	Inscription probably before 600 B.C. (Roberts, *Greek Epigraphy,* p. 70).
c. 625–600	Antefix from Thermos (Poulsen, *op. cit.,* p. 150, fig. 176)	Comparison with heads on Corinthian pottery of late seventh century, e.g., pyxis 3929 in Berlin; cf. Payne's forthcoming book.
	Antefix from Kalydon (Poulsen-Rhomaios, *Vorläufiger Bericht über die Ausgrabungen von Kalydon,* pl. XXX, fig. 42)	
	Sculptures from Prinias (fig. 347)	
	Draped woman once in Auxerre (fig. 262)	
c. 600	Head of Hera, probably from the cult statue in the Heraion at Olympia (fig. 138)	The temple is generally dated on historical and architectural grounds at the end of the seventh or the beginning of the sixth century (Treu, *Olympia,* III, pp. 1 ff.; Dinsmoor, in Anderson and Spiers, *Architecture of Ancient Greece* [= *c.* 620]).

---

[1] I have placed the earliest Greek sculptures (i.e., those before 550) some twenty-five years earlier than I might otherwise have done, on account of the evidence obtained from proto-Corinthian and Corinthian pottery (cf. Payne's forthcoming book). This presupposes a rather slow development in Greek sculpture from 650–550.

Period	*Monument*	*External Evidence*
c. 600	Head of sphinx from Kalydon (Poulsen-Rhomaios, *op. cit.*, pls. XXXVI f., 53–55)	
c. 600–575	Seated statue from Didyma (fig. 62)	
	Kleobis and Biton of Argos by [Poly]medes, in Delphi (figs. 17, 142, 145)	Inscription on base dated first half of VI century (Homolle, *Fouilles de Delphes*, IV, pp. 5 ff.). Incident of Kleobis and Biton, told by Herodotos I. 31 ff., must have happened before Solon gave his answer to Kroisos, i.e., before 560–559 (a possible date for both Solon and Kroisos)—assuming of course that we may trust Herodotos' veracity here.
	"Apollo" from Sounion in Athens (figs. 16, 146, 152)	
c. 580–560	"Apollo" from Orchomenos in Athens, No. 9 (fig. 18)	
	Pediment from the temple at Corfu (figs. 374, 76, 96, 61, 109, 141)	
	Standing maiden from Attica in Berlin (figs. 267–269, 139, 140)	
	Hydra pediment (fig. 376)	
	Calf-bearer dedicated by [Rh]ombos (figs. 5, 6)	Dated before the middle of the VI century by the early forms of ⊟ for H and ⊕ for ⊙.
c. 570–550	Metopes of the "Sikyonian" Treasury at Delphi (figs. 404, 358)	
	Winged Nike from Delos (fig. 77)	
	Poros pediment of "Bluebeard" and Triton from the "Hekatompedon" (figs. 378, 379)	
	The Tenea "Apollo" in Munich (figs. 22, 149)	
	"Introduction" pediment in the Akropolis Museum (fig. 380)	

Period	*Monument*	*External Evidence*
c. 555–530	Parts of the sculptured drums of temple of Artemis at Ephesos (figs. 265, 266)	Most of the columns of this temple are said by Herodotos (I. 92) to have been offered by Kroisos, who reigned *c.* 560–546 (or 555–541). Part of the dedicatory inscription on one column has been preserved, but it cannot be definitely associated with any of the sculptures (cf. p. 93, footnote 25).
c. 550–540	The Naxian Sphinx at Delphi	The column on which the sphinx is mounted has affinities with those of the early temple of Artemis at Ephesos.
	Hera from Samos dedicated by Cheramyes, in the Louvre	The inscription shows the earlier form of *θ* (⊕) but the later form of *η* (H). Roberts, *Greek Epigraphy,* p. 186.
	Statue of Chares from Didyma inscribed: *Χάρης εἰμὶ . . . Τειχιούσ(σ)ης ἀρχός* (fig. 264)	Inscription has H instead of the earlier ⊟. Chares was probably one of the dynasts or tyrants during the period 548–501 B.C. (after the subjection of Greek Asia Minor and before the Revolt). Cf. Roberts, *Greek Epigraphy,* p. 167.
	Metopes of temple C at Selinus (fig. 405)	
	Maiden No. 679 in the Akropolis Museum (figs. 270, 143)	
	Stele in New York (fig. 423)	Dated by the inscription (forms of *ρ* and *μ*).
c. 550–525	Reliefs of the temple at Assos (fig. 403)	
c. 540	The "Apollo" of Melos in Athens (fig. 19)	
c. 540–510	The "Apollo" from Volomandra in Athens, No. 1906 (fig. 20)	
	The "Apollo" from Attica in Munich (figs. 23, 151)	

Period	*Monument*	*External Evidence*
c. 540–510	The "Apollo" from Boeotia in Athens, No. 12 (fig. 21) Maidens Nos. 670–675, 680, 682–684 in the Akropolis Museum (cf. figs. 271, 272, 544, 150, 144)	
c. 525	Pediment and frieze of the Siphnian Treasury at Delphi (figs. 382, 418, 419, 487, 97, 123)	Herodotos III. 57 and Pausanias X. ii. 2 speak of an adverse oracle which was pronounced against the Siphnians while they were building their Treasury at Delphi and which was soon afterwards fulfilled in a Samian attack dated 524.
c. 525–500	Athena probably by Endoios (fig. 64)	Inscriptions date Endoios in the later part of the sixth century (cf. p. 196).
c. 520	Marble pediment of the "Hekatompedon" (figs. 112, 385)	Compare vases by Oltos (Langlotz, *Zeitbestimmung,* p. 34).
c. 520–510	Pediment of the Treasury of the Megarians at Olympia (fig. 383)	
c. 510	Stele of Aristion by Aristokles (fig. 424)	"According to the alphabet the inscription should belong to the last quarter of the sixth century B.C." (Roberts and Gardner, *Greek Epigraphy: Inscriptions of Attica,* p. 505).
c. 510–500	Pediments of the temple of Apollo at Delphi (figs. 381, 384, 386, 387)	According to Herodotos V. 62 and Aristotle, *Politeia* 19. 3, the temple (which took the place of an earlier structure burnt in 548) was begun after the battle of Leipsydrion (513) (Hipparchos died 514). After the fall of Hippias (510) the Alkmaionids built the east front of the temple in magnificent style (Schol. Pindar, *Pyth.* 7. 9).
	West pediment of the temple of Apollo Daphnephoros at Eretria, in Chalkis (figs. 281, 284)	

Period	*Monument*	*External Evidence*
c. 510–500	Metopes of the Treasury of the Athenians at Delphi (figs. 124, 406–409)	Cf. note 45 on p. 126.
	Maiden probably by Antenor (fig. 273)	The inscription on the base which probably belongs to the statue is dated "before 480" (Dittenberger, *Sylloge,* III,^{3} No. 1139).
	Frieze of mounting charioteer (fig. 275) and Hermes (fig. 276)	Compare the vases of Leagros period and early Panaitios period (Langlotz, *Zeitbestimmung,* p. 87).
	"Harpy tomb" (figs. 472, 473)	Compare the Theseus cup by the Panaitios painter in the Louvre and the Peleus cup by Peithinos in Berlin.
	Statue base with cat-and-dog fight in Athens (figs. 283, 469)	Compare vases by Euthymides and Phintias.
	Statue base with "hockey" game in Athens	
	Strangford Apollo (figs. 28, 29)	
c. 500–490	Stele by Alxenor (fig. 425)	The inscription is dated in the turn of the century (Loewy, *Inschriften,* No. 7; *I.G.,* XII, 5, No. 1426).
	Seated statue dedicated by Aeakes of Samos (*Ath. Mitt.,* XXXI, 1906, fig. 1, pl. XIV; Schede, *Abh. d. preuss. Akad. der Wissensch.,* 1929, *phil.-hist. Kl.* 3, p. 22)	The inscription is dated after 500 (Dittenberger, *Sylloge,*^{3} No. 20). Aeakes was therefore not the father of the tyrant Polykrates but perhaps a later bearer of the name.
c. 500–480	Pediments of the temple of Aphaia at Aigina (figs. 388, 389, 103, 113, 114, 186, 525)	Architecturally the temple is "the most perfectly developed of the late archaic temples" in Greece proper (Dinsmoor, *op. cit.,* p. 88). The east pediment is perhaps a substitution for an earlier one destroyed by Nikodromos *c.* 487–485 (H. Thiersch, *Äginetische Studien,* II).
490–480	Sparta warrior (fig. 104)	

Period	*Monument*	*External Evidence*
490–480	Euthydikos maiden (fig. 159) "Blond Boy" (fig. 169) Horse (fig. 348) "Akropolis Youth," No. 698 (fig. 30)	Found on the Akropolis in the Persian débris and therefore before 480.
c. 480	Running maiden from Eleusis (fig. 87)	
	Seated goddess in Berlin (figs. 65, 161)	
	Reliefs with dedicatory inscription to Apollo and the Nymphs, from Thasos, in the Louvre (fig. 453)	The inscription has been dated *c.* 490–480 (*I.G.*, XII, 8, No. 358), "but see *I. G.* XII, 8, No. 390—another inscription from Thasos dated on historical grounds 494–492, which shows considerably less developed forms of letters; so that we may choose the lower limit of 490–480 for our date of the Louvre relief and even go some few years below it" (M. N. Tod).
	Bronze statuette of a diskobolos in New York (figs. 31, 32)	
c. 480–470	Three-sided reliefs in Rome and Boston (figs. 474–479, 183–185, 189, 289)	
	Bronze statuette of a horse in New York (figs. 349, 350)	
479–478	The Demareteion of Syracuse (fig. 160)	Struck in commemoration of the victory of Gelon of Syracuse over Carthage at Himera (480).
477–476	*Group of Tyrannicides by Kritios and Nesiotes (figs. 565–567, 569–577)	Erected in the archonship of Adeimantos (477–476).
476–461	Coin of Aetna (Katane) (fig. 10)	Dated by the history of the city of Aetna (Head, *Historia Numorum* [1911], p. 131).
c. 475–460	Metopes of temple E at Selinus (figs. 410–413, 187)	

*** The sculptures marked with an asterisk are Roman copies of lost Greek originals.**

Period	*Monument*	*External Evidence*
c. 470	Charioteer of Delphi (figs. 285, 162)	The inscription on the base seems to indicate that the group was dedicated by Polyzalos of Syracuse (*c.* 470) in celebration of a victory by Hieron.
c. 465–457	Pediments and metopes of the temple of Zeus at Olympia (figs. 390–393, 2, 66, 115, 116, 133, 134, 163, 200, 355, 414, 188, 191, 319, 343)	According to Pausanias, V. 10. 2, the Eleans built the temple out of the booty obtained in the conquest of Pisa and her vassal states (probably about 470). Pausanias, V. 10. 4, also records that the Lacedaemonians placed a golden shield on the apex of the eastern pediment of the temple after the battle of Tanagra in 457. The temple must then have been practically complete.
c. 460–450	"Mourning Athena" in the Akropolis Museum (fig. 206) Stele of a girl with casket in Berlin (fig. 427) Stele of girl with pigeons in New York (figs. 426, 205) *"Omphalos Apollo" (figs. 36, 37) *Herculaneum dancers (cf. figs. 260, 497)	
c. 450	Stele of Philis in the Louvre Frieze of the temple of the Ilissos (figs. 420, 88) *Diskobolos by Myron (figs. 578 ff.) *Group of Athena and Marsyas by Myron (figs. 584–593, 190) Eleusinian relief (fig. 481) *Doryphoros by Polykleitos (figs. 645–649)	
c. 447–443	Metopes of the Parthenon (figs. 415, 416, 105, 131, 192)	The building of the Parthenon was begun in 447 in the archonship of Timarchides.

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
442–438	Frieze of the Parthenon (figs. 486, 488, 489, 356, 291, 247)	The frieze must have been complete by 438, for after that work was confined to the pediment sculptures.
c. 450–440	Niobids in Rome and Copenhagen (figs. 4, 196, 92, 118) *"Athena Lemnia by Pheidias" (figs. 614–616)	
c. 440	*Amazons attributed to Pheidias, Kresilas, and Polykleitos (figs. 620, 626, 627, 655, 656)	
c. 440	*Perikles by Kresilas (figs. 623, 624)	After the death of Kimon (449) Perikles was the leading citizen in Athens until his death in 429.
442–439	*Athena Parthenos by Pheidias (figs. 595, 597–605)	According to the building inscription the treasurers of Athena ceased to contribute to the Parthenon in 443–442, probably because their money was needed to begin the chryselephantine statue. In 439–438 and 437–436 gold and ivory were sold in large quantities, apparently the surplus material remaining after the completion of the statue. Eusebios, *Chron.*, dates the statue 85th Olympiad (440).
438–432	Pediments of the Parthenon (figs. 394–396, 69–71, 91, 119, 292, 351, 500, 622)	According to the same building inscription the marble for the pediments was brought to the workshops in 439–438 and the work begun the following year. For 434–433 there is an entry of the yearly wage given to the sculptors (Dinsmoor, *A.J.A.*, 1921, pp. 243, 244).
c. 435–420	Statue of Nemesis at Rhamnous by Agorakritos (figs. 633, 634) and reliefs from the base (cf. figs. 635, 727)	The temple at Rhamnous belongs architecturally to *c.* 435 (Dinsmoor, in Anderson and Spiers, *Architecture of Ancient Greece, Chronological Table*). Its incom-

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
		pleteness may therefore be due to the outbreak of the Peloponnesian war in 432 (Dinsmoor).
c. 435–420	Frieze and metopes of the "Theseion" (figs. 293, 417)	The temple is later than the Parthenon on account of the relative proportion of diameters to the heights of the columns, and the use of Ionic mouldings under the sculptured frieze (Dinsmoor, *op. cit.*, p. 126).
c. 430	*Zeus at Olympia by Pheidias (figs. 606, 607)	See pp. 220 ff.
c. 426	Frieze of the temple of Athena Nike (figs. 295, 297)	The temple of Athena "was planned before the adjoining Propylaia but was probably built subsequently about 426" (Dinsmoor, *op. cit.*, p. 126).
c. 425–420	Nike by Paionios (figs. 637–642)	The inscription on the base records that it was dedicated by the Messenians and Naupaktians to Zeus with a tithe of the spoils taken from their enemies. The campaign referred to is probably that of Sphakteria, 425 (see p. 242).
c. 420	Frieze and metopes of the temple of Apollo Epikourios at Phigaleia (figs. 106, 197–199, 201–204, 298–301)	Pausanias VIII. 41. 5 records that the temple was built by Iktinos, the architect of the Parthenon, and dedicated to Apollo "the Succorer" "for the help he gave in time of plague . . . at the time of the war between the Peloponnesians and Athenians." The most probable time, at least of its completion, is during the Peace of Nikias, which began in 421 (see p. 102).
	Sculptures of the Argive Heraion (cf. fig. 165) including *the statue of Hera by Polykleitos (fig. 654)	The old temple was burnt in 423 and the new building started forthwith (Thucydides IV. 133; Pausanias II. 17. 3).

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 420	*Diadoumenos by Polykleitos (figs. 650–652)	
	Record relief from Eleusis (*Ath. Mitt.*, XIX, 1894, pl. VII)	Dated by the inscription 420.
c. 421–413	The karyatids of the Erechtheion (fig. 502)	The Erechtheion was probably begun in *c.* 421 (Peace of Nikias); subsequently work was stopped and not resumed till 409. The karyatids must belong to the earlier period, for in the report made by a commission in 409 on the state of the building "the ceiling blocks over the maidens" are mentioned.
c. 413–400	Dekadrachms of Syracuse with female head and quadriga signed by Kimon and Euainetos (Head, *Historia Numorum*, p. 176)	Issued after the Athenian defeat of 413.
c. 420–410	Reliefs from the "Gjölbaschi" monument (cf. figs. 421, 422, 326, 516)	
c. 410	Reliefs from the "balustrade" of the temple of Athena Nike (figs. 504, 506)	Built probably during the temporary successes of Athens in the last stages of the Peloponnesian war, 411–407.
410–409	Record relief in the Louvre (Bieber, *Ath. Mitt.*, XXXV, 1910, pl. IV, 2)	Dated by the inscription in the archonship of Glaukippos.
409–406	Frieze of the Erechtheion (figs. 296, 728)	The building inscriptions of the Erechtheion dated 408–407 record payments made to sculptors for carving figures of the frieze (cf. p. 160).
c. 400	The Nereid monument (figs. 302–304, 490, 492, 467)	

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 400	The Hegeso relief (fig. 429)	The earliest gravestones of this part of the Kerameikos are about contemporary with the stele of Dexileos (Brückner, *Der Friedhof am Eridanos,* pp. 24, 104); the Hegeso grave, however, may of course have existed before the building of the family monument and later been included in it.
	Record relief in Athens (Svoronos, *Das athener Nationalmuseum,* pl. CCIII)	Dated by the inscription 400.
c. 394	Stele of Dexileos (fig. 215)	The inscription records that he fell in the battle of Corinth, 394.
c. 400–375	Sculptures of the temple of Asklepios at Epidauros (figs. 710–719)	The building inscription of the temple is dated in the first quarter of the fourth century.
	The Karyatid column at Delphi (fig. 312)	The fragments were found in débris of the earthquake of 373.
c. 379–374	Aphrodite on the silver stater of Aphrodisias(?), Kilikia (fig. 311)	One stater, in the Bibliothèque Nationale, has the name of Pharnabazos, who reigned 379–374 (Hill, *British Museum Catalogue of Greek Coins, Cilicia,* pp. XLII–XLIII).
375	Relief of the Treaty between Athens and Kerkyra (*B.C.H.,* II, pl. 12)	Dated by the inscription in the archonship of Hippodamas.
c. 375–370	*Eirene and Ploutos by Kephisodotos (figs. 659–663, 499)	Erected probably soon after Timotheos' victory over the Spartans in 375 (see p. 255).
c. 370–355	Pediments of the temple of Athena Alea at Tegea (figs. 690–693, 696)	Pausanias VIII. 45. 4 relates that "a previous building was . . . destroyed in the . . . second year of the 96th Olympiad" (395). How much later the present temple was erected is a moot question; see p. 267.

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 370–350	*"Dresden Satyr," perhaps an early work of Praxiteles (figs. 682–684)	
c. 355–330	Sculptures of the temple of Artemis at Ephesos (figs. 705, 703, 328)	The temple was built immediately after the fire which burnt down the earlier structure in 356, but had not yet been completed in 334; see p. 267.
c. 350	Sarcophagus of "Mourning Women" from Sidon (figs. 316, 398)	
	Demeter of Knidos (fig. 315)	
	The Mantineia base (figs. 679–681)	See p. 262.
	*Aphrodite of Knidos by Praxiteles (figs. 668–672)	
	Hermes and the infant Dionysos by Praxiteles (figs. 664–667, 170)	
	Stele of Agathon of Herakleia (Conze, *Attische Grabreliefs,* No. 1535, pl. 319) Stele of Korallion (Conze, *op. cit.,* No. 411, pl. 98)	Dated from the history of the graves in the Kerameikos and the history of Herakleia on the Pontos (Brückner, *Der Friedhof am Eridanos,* pp. 64 ff., 68 ff.).
	The sculptures of the Mausoleum (figs. 697–702, 720–722, 729–730, 735, 313, 314, 228, 209)	Pliny, *N.H.* XXXVI. 30: "This building [the Mausoleum] is the tomb erected by Artemisia, his widow, for Maussollos, Prince of Karia, who died in the second year of the 107th Olympiad [353]. . . . The queen died before the building was finished [351], but the artists did not abandon the work until it was complete" (see p. 269).
c. 350–325	*The Sauroktonos by Praxiteles (figs. 673–675)	
	"Marathon Boy" (figs. 46–48, 172, 173)	
	*Portrait of Herodotos	

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 350–325	*Portrait of Euripides (fig. 229)	
c. 344–334	Agias, perhaps a contemporary copy of a work by Lysippos (figs. 738, 740, 741)	Dedicated by Daochos II, tetrarch of the Thessalians, *c.* 344–334.
340–330	*Sophokles in the Lateran (fig. 249)	Probably a copy of the bronze statue of Sophokles set up in the theatre in Athens on the motion of Lykourgos between 340 and 330.
336–323	Coins of Alexander the Great (cf. fig. 747 [*c.* 290 B.C.])	Alexander reigned 336–323.
335–334	Choregic monument of Lysikrates (fig. 491)	The inscription on the architrave records that it was erected for a scenic victory won by Lysikrates with a chorus in the archonship of Euainetos (335–334).
c. 340–320	Dog in the Kerameikos (Collignon, *Statues funéraires*, pp. 239–240)	In the same family plot as that crowned by the dog was the grave of Lysimachides of Acharnai, perhaps the archon of 339–338 (Brückner, *op. cit.*, p. 84).
	Bull in the Kerameikos (Collignon, *Statues funéraires*, pp. 236–237)	Dated from the history of the Kerameikos cemetery in the second half of the fourth century and before 317. The anti-luxury decree of Demetrios of Phaleron in 317 put an end to sculptured gravestones in Attica.
	Stele of Demetria and Pamphile (Conze, *Attische Grabreliefs*, pl. XL)	
329	Votive relief with Artemis and Asklepios (*Ny Carlsberg Glyptotek, Billedtavler*, No. 231)	Dated by the inscription.
c. 325–300	"Alexander sarcophagus" from Sidon (figs. 748, 176, 399, 400)	
	*Apoxyomenos of Lysippos (figs. 739, 742, 743)	

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
312–281	Portrait of Seleukos I, king of Syria, on coins (fig. 238)	Dates of reign, 312–281.
Before 300	Nike of Samothrake (fig. 95)	The coins of Demetrios Poliorketes with Nike on the prow of a ship celebrating his victory over Ptolemy at Salamis, Cyprus, in 306 occur from *c.* 300 (cf. Newell, *The Coinages of Demetrius Poliorcetes,* pp. 32, 33). As the composition in the statue and the coins is remarkably similar (though not identical) it seems reasonable to suppose that the designs on the coins are taken from the statue rather than vice versa. This would date the statue before 300, even though the naval victory celebrated was not necessarily the same one.
After 300	*Antiocheia by Eutychides (figs. 753–755)	Antioch founded 300.
294	Record relief in Athens (Walter, *Beschreibung der Reliefs im kleinen Akropolismuseum,* No. 9)	Dated by the inscription.
c. 280	*Demosthenes by Polyeuktos (fig. 736)	Demosthenes died 322. The statue was dedicated about forty years after his death in 280–279, in the archonship of Gorgias.
281–261	Portrait of Antiochos I, king of Syria, on coins (fig. 237)	Dates of reign, 281–261.
c. 270–250	Bronze portrait statuette in New York (figs. 230, 231, 241)	Similar to and probably contemporary with portraits of Hermarchos, who succeeded Epikouros as head of the Epicurean school of philosophy *c.* 270.

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 300–250	Themis of Chairestratos (fig. 331) Aphrodite of Melos (fig. 535)	The dedicatory inscription on the base is dated in the first half of the third century.
c. 240–220	*The Dying Gaul and the Gaul and his wife (figs. 108, 178)	Probably copies of a bronze group dedicated by Attalos I of Pergamon to celebrate his victories over the Gauls, either after the decisive battle in 241 or at the end of the war in 228.
c. 210	Chrysippos, in New York (fig. 232)	Lived *c.* 280–206.
c. 200	*Statues, two-thirds life-size, of Gauls, Amazons, Persians, giants (cf. fig. 120)	The bronze originals were set up by Attalos I of Pergamon on the Akropolis in Athens probably on the occasion of Attalos' visit there in 200.
	Sleeping Satyr in Munich (fig. 218)	
c. 190–160	Portrait of Eukratides, king of Baktria and India (fig. 236)	Dates of reign, *c.* 190–160.
c. 180–160	Altar of Zeus and Athena at Pergamon (cf. figs. 177, 334, 335)	Built by Eumenes II, who reigned 197–159.
c. 200–150	Sculptures of the temple of Despoina at Lykosoura by Damophon (figs. 757–760)	Inscriptions with the name of Damophon found in the temple are datable in the first half of the second century (Dickins, *B.S.A.*, XII, 1905–1906, pp. 130–136).
c. 150–69	Bronze portrait head from Delos (fig. 240)	Delos never recovered after the sack of 88 and the pirates' raid of 69.
c. 100–86	Borghese Warrior by Agasias, son of Dositheos of Ephesos (fig. 107)	Inscription points to period 110–86, probably nearer 86 (Loewy, *Inschriften,* No. 292).
c. 100–30	*Farnese Bull by Apollonios and Tauriskos of Tralles (fig. 767)	The group is described by Pliny, *N.H.* XXXVI. 34, with mention of the artists, but the dates of the latter are uncertain.

* The sculptures marked with an asterisk are Roman copies of lost Greek originals.

Period	*Monument*	*External Evidence*
c. 50	Laokoon by Hagesandros, Polydoros, and Athanodoros of Rhodes (figs. 763, 225)	The names Athanodoros and Hagesandros occur on inscriptions datable in the first century B.C. and the combination of names suggests a date about 50.
	Bust of Homer (fig. 239)	
	Belvedere Torso (fig. 766) and bronze boxer (fig. 765) by Apollonios of Athens	The form of the letters in the inscription on the Belvedere Torso points to a date in the first century B.C. (Loewy, *op. cit.*, No. 343).
	"Hellenistic Prince" (fig. 57)	

CHAPTER IV

THE HUMAN FIGURE

WHEN the Greek sculptor began his work in the seventh and sixth centuries B.C. he had a long heritage which determined his start. He had before him on the one hand what had survived of the arts of his predecessors in his own land—the Aegeans and the "Dorians"; on the other those of his Oriental neighbors—the inhabitants of Mesopotamia and of Egypt. It was only natural that the ancient civilizations of the East should in some measure affect a young art just starting on its path. The evidence points to the process' having been somewhat as follows: Up to about the middle of the seventh century the influence of Asia (Mesopotamia, Phoenicia, Syria) was paramount. It is evident in the countless little bronze, terracotta, and ivory statuettes which have come to light all over the Greek world;[1] moreover, Greek contact at that time was with those countries, especially through Phoenician trade. In the later seventh and sixth centuries, with the appearance of Greek monumental sculpture, there is a marked change. In the early standing youths and seated figures the influence of Egypt is unmistakable. And this synchronizes with the opening up of Egypt to Greek trade through its conquest by Assyria in 672 B.C. and the foundation of the Greek colony of Naukratis about 650 B.C. We can imagine the sensitive Greeks beholding for the first time the impressive Egyptian sculpture and having their whole outlook on plastic art changed thereby. How great this Eastern influence was on Greek sculpture we can see when we compare the "geometrized" products of the ninth and eighth centuries (fig. 13) with those of the two succeeding centuries.

In the seventh and sixth centuries, then, we find a series of primitive figures[2] bearing a certain relation to the products of other nations, but nevertheless highly individual. Progress from this beginning was slow and deliberate. At first only a few types were attempted for single statues and used again and again with slight variations: a standing, seated, striding, flying, or reclining figure was represented according to an accepted scheme adhered to by sculptors from every part of Greece. But within this scheme each could make his individual contribution. And gradually by concentrating on his few themes, not distracted by constantly creating new compositions, he was able to solve the difficulties which beset him. Each new conquest became common property and formed a new starting point. And so the upward march continued, not only in the larger statues, but in small bronze and terracotta statuettes, and along parallel lines in vase-painting, engraving, and goldwork. It is an amazing feat of concentration; and could only have been obtained by that rare combination found in the Greeks of eager progressiveness and conservatism due to the blending in their blood of the exuberant, sensitive Aegeans with the sturdy "Dorians." And so, eager for novelty, they nevertheless grafted the new on the old. Let us watch the story unfold itself; for to follow it step by step is an artistic education and pleasure of the first order. Our plan will be to pursue the principal types adopted for the human figure through the various centuries, restricting ourselves where possible to the undraped examples, since we shall deal with drapery in a separate chapter.

---

[1] V. Müller, *Frühe Plastik in Griechenland und Vorderasien;* F. Poulsen, *Der Orient und die frühgriechische Kunst.*

[2] The standing statues are sometimes all referred to indiscriminately as Apollos, though the evidence shows that only some were found in sanctuaries of that deity, and that others probably represented athletes and served as tomb figures. Cf. Deonna, *Les Apollons archaïques,* pp. 9 ff.

(*a*) *The Standing Figure*

Seventh and Sixth Centuries

In the opening chapter we find the standing figure in strictly frontal position, with left foot a little advanced, the arms generally held close to the sides, occasionally bent at the elbow, the hands usually clenched. It shows the Egyptian scheme of broad shoulders, narrow waist, and small flanks. We may take for the beginning of our story a terracotta female figure from Crete in the Metropolitan Museum[8] (fig. 14), of the seventh century B.C. It is stiff and flat, almost like a four-sided plank and consequently there is little modeling, only incisions, to indicate the chief functional divisions of the body. From this beginning we note continuous progress toward a better realization of both the general shape and the details of the human figure; and throughout there are retained fine unity and decorative sense. Indeed the simplification in the rendering of form imparts a grandeur to these early figures which makes us forget the departures from anatomical truths. The Apollo of Sounion[4] (fig. 16), and the Delphi Youth[5] (fig. 17)—of the early sixth century—begin to emerge from the plant-like shape. They retain the Egyptian scheme of broad shoulders, narrow waist, and small flanks, but the buttocks and thighs are strongly developed. The front and back of the trunk are flat. The rendering of the rectus abdominis passes through several interesting stages of evolution in the course of archaic art. In this early period the upper boundary is indicated generally by a pointed arch placed somewhat too low or too high; instead of three transverse divisions, two above and one below the navel, the number is increased to four and sometimes five; and the whole is merely incised as if it were a flat pattern. The lower region is pointed obliquely like the upper and is too short. The knees reproduce more or less the symmetrical arrangement current in Egypt, with the vastus externus and the vastus internus both reaching equally down to and bulging over the patella, while in nature the arrangement is asymmetrical, with the muscular part of the vastus externus considerably higher than the other. The kneecap takes the shape of an approximately rectangular block and there is no indication of the pads of fat on which it rests. The feet stand squarely on the ground with long toes all parallel to one another. The Apollos in Athens[6] (fig. 18) and London[7] (fig. 15) of about 580–560 mark a further stage of development by the indication of the hip bone protruding on the flanks.

---

[8] Halbherr, *A.J.A.*, 1901, pl. X, No. 1.

By the middle and second half of the century further advance has been made. The flat, plank-like shape is less evident and the forms of the body are becoming better understood. The curves of the thorax are indicated front and back. The abdominal region still retains its early rendering but is more modeled. The flanks are made more lifelike by the indication of the iliac crest, with the muscle bulging over it. The transition from the flanks to the rectus abdominis is marked by a groove. The arrangement of the muscles over the patella is no longer strictly symmetrical. The toes are still long and parallel to one another except for the small toe which is curved inward.[8] The metatarsal bones are finely indicated. Beautiful examples of this period are first the Apollo from Tenea[9] (fig. 22; *c.* 560) and, somewhat later, the figures from Attica[10] in Munich (fig. 23) and from Melos[11] (fig. 19), Volomandra[12] (fig. 20), and Boeotia[13] (fig. 21) in Athens, as well as the bronze statuette in New York[14] (figs. 24–26). The lovely contours and the gently undulating surfaces kept strictly within the symmetrical scheme make an impression at once of quiet poise and extraordinary vitality. The various parts appear proportionally interrelated and one form passes naturally and inevitably into the next.

---

[4] National Museum, Athens, No. 2720.

[5] Homolle, *Fouilles de Delphes,* IV, pls. I–II.

[6] National Museum, Athens, No. 9.

[7] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 474.

[8] Cf. Bradford, *The Human Foot in Art* (Boston).

Since the standing female type during the archaic period was regularly draped we shall study it in our chapter on drapery; but nude female figures occur occasionally as bronze statuettes even in the sixth century. We may give as a good example the girl from Cyprus in New York[15] (fig. 27).

The climax of these early struggles is reached in the Strangford Apollo[16] (figs. 28, 29) of about 510–500. This statue retains many of the characteristics of the earlier figures. It is still in a strictly symmetrical, frontal pose; it is conceived as four-sided, with only four principal views considered—the front, the back, and the two sides, and the modeling is still somewhat flat. But much has been changed. The chest and back now curve out considerably, sufficiently at least to make us feel that the figure can breathe, and the important parts of the body are indicated and properly interrelated. The rectus abdominis at last assumes a more natural shape. The upper boundary instead of being pointed forms a semicircular arch and the transverse divisions are rightly indicated, two above and one below the navel. The flanks are finely rounded and the pelvic curve takes the shape of a semicircle as well as its proportion. The interlacement of the serratus magnus with the ribs is carefully modeled beneath the arms. The knee is correctly shown with the vastus internus extending below the vastus externus and forming the distinctive swelling above the kneecap. The small pads of fat below the kneecap are rightly observed. But in spite of this attention to anatomical construction the fine simplicity and decorative quality of the earlier statues are in nowise lost.

[9] Furtwängler, *Beschreibung der Glyptothek,* No. 47.

[10] Brunn-Bruckmann, *Denkmäler,* pl. 661.

[11] National Museum, Athens, No. 1558.

[12] *Ibid.,* No. 1906.

[13] *Ibid.,* No. 12.

[14] Metropolitan Museum, *Catalogue of Bronzes,* No. 17.

[15] *Ibid.,* No. 28.

[16] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 475.

Fifth Century

Herewith the general shape of the Greek torso was achieved. It persists through later generations, merely perfected in the direction of greater amplitude of form and harmony of proportion.

The first half of the fifth century proved epoch-making in another sphere. A revolutionary change took place by the uneven distribution of the weight of the body and the consequent abandonment of the symmetrical pose. The figure is made to rest more on one leg than on the other, whereby the two sides become different and the median line of the body forms a curve instead of a straight line. The variety and interest gained by this innovation are amazing. The figure suddenly acquires elasticity; it can walk and move about and is no longer confined to one place. And this change also put an end to the old four-sided conception, so that the figure becomes more rounded and natural. It is interesting to mark the various steps in the progression. The Akropolis Youth[17] (fig. 30)—dated slightly before 480 B.C.—and the approximately contemporary New York Diskobolos[18] (figs. 31, 32) are just emerging from the full frontal pose; there is only a slight difference between the two sides of the body and the archaic scheme is still strongly in evidence. In the Olympia Apollo[19] of about 465–460 B.C. (cf. fig. 392) and the New York Adorans[20] (figs. 33–35) there is a decided lessening of the tension; one hip is now markedly higher than the other. The "Omphalos Apollo"[21] (figs. 36, 37), the "Tiber Apollo"[22] (fig. 38), and the Boston Herakles[23] (fig. 39) of about 460–450 B.C. show a further gain in freedom and mobility. A slight interplay of planes is achieved by turning the head, the shoulders, the pelvis, the knees in different directions counterbalancing one another. The lines of the eyes, shoulders, and hips are no longer horizontal but incline upward and downward in alternating rhythm. There is a lovely interplay of surfaces and yet the effect is not too variegated, for the whole is kept in a definite scheme. We have evolved from the pattern shape into a moving body. Nevertheless these statues are not a spontaneous expression, but are due to the long evolution of a type. The background of the pattern period gives them grandeur.

---

[17] Akropolis Museum, No. 698.

[18] Metropolitan Museum, *Catalogue of Bronzes,* No. 78.

[19] Treu, *Olympia,* III, pl. XXII.

[20] Metropolitan Museum, *op. cit.,* No. 79.

[21] National Museum, Athens, No. 45. The name "Omphalos Apollo" is still retained for convenience, though the omphalos base found at the same time as the statue in the Theatre of Dionysos could not have belonged to it on account of the different stance of the feet.

[22] Helbig, *Führer,*^{3} II, No. 1336.

[23] Caskey, *Catalogue of Greek and Roman Sculpture,* No. 64.

But even in these "Apollos" the attitude has a lingering stiffness and the shoulders are too broad compared with the rest of the body. The problem remains to give greater ease to the pose, more harmony to the composition. This was accomplished during the second half of the fifth century B.C. It was achieved by further developing the scheme of counterpoise. The counterbalancing movements are accentuated. The median curve is emphasized and the weight is borne entirely by one leg. The figure thereby acquires swing and ease of attitude. Each form is beautifully modeled, no longer in the dry, hard manner of archaic times, but with more amplitude.[24] The four-sided conception has given way to perfect modeling in the round. Each part appears to point at the spectator as he looks at it, the adjoining portions retreating to the background; in other words, the sculptor no longer restricts himself to a few principal views of his figure but is able to combine a large number into a unified whole.

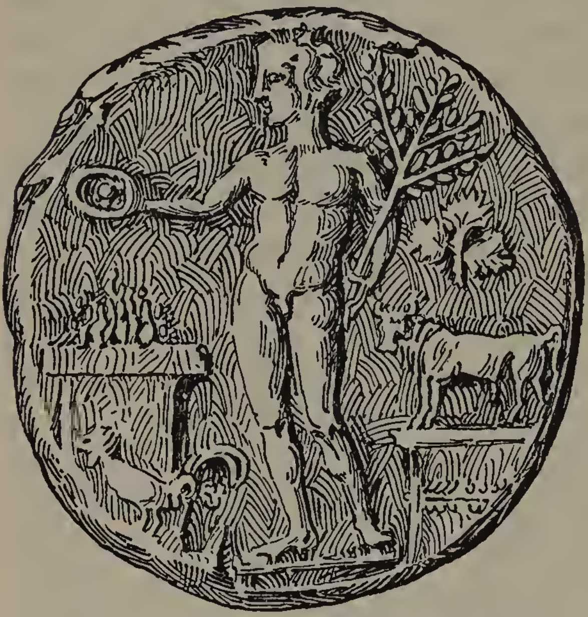


Fig. 45. River god Selinos, on a coin (enlarged)

W. H. Woodward Collection

As conspicuous examples of this developed type we may take the Polykleitan figures of the Doryphoros (fig. 645) and Diadoumenos (fig. 650); the Idolino in Florence[25] (figs. 43, 44); the beautiful bronze statuettes in the Louvre[26] (fig. 42) and New York[27] (fig. 40); and the figure of the river god Selinos on the coin of Selinus[28]

---

[24] The foot, for instance, assumes a more rounded, naturalistic form without the former accentuation of the metatarsal bones; the toes are no longer parallel but each has its own axis with graduated lengths, the second generally as long as the big toe or longer.

[25] Amelung, *Antiken in Florenz,* No. 268.

[26] De Ridder, *Bronzes antiques du Louvre,* I, No. 183.

[27] Metropolitan Museum, *Catalogue of Bronzes,* No. 87.

[28] Hill, *Select Greek Coins,* pl. XLI, 5.

(fig. 45). And for the female type we may cite the bronze statuette of a girl in Munich[29] (fig. 41). How much more natural are now the attitudes; what beautiful contours the figures have assumed! What subtle variety is introduced by the action of the arms and how harmonious is the whole composition! We are conscious that the figure is an interrelated scheme comparable to a carefully planned architectural design.

At this period, when the problems of technique had been fully mastered, Greek sculpture might easily have become realistic. Instead, it shows in increasing manner a quality of aloofness, of universality. The modeling is more naturalistic, but the statues have a grandeur and idealism which remove them from nature. How did the Greek sculptor accomplish this? Such things are difficult to put into words. But one of the many reasons is that in spite of his new knowledge he kept his eye on the essentials. Though he had by now a thorough knowledge of the complicated anatomy of the human body, he was not distracted by the many-sidedness of nature, but kept his modeling simple, his planes few, his volume unified; and he consciously harmonized his composition.[30] The canon of proportion which we feel underlying the early Apollos has been developed into a subtler scheme. And so, instead of copying closely one particular human body, merely translating nature into stone, he created something universal and typical. As is perhaps natural this quality of Greek sculpture has often been misunderstood and interpreted merely as physical beauty. But much more than the loveliness it is the impersonality of fifth-century sculpture that makes it great. Plato gives us an explanation when he speaks of painters as "fixing their eyes on perfect truth as a perpetual standard of reference, to be contemplated with the minutest care, before they proceed to deal with earthly canons about things beautiful."[31] It is this going to the perfect pattern for inspiration which produces the "typical" as against the "individual," the general instead of the particular. Fifth-century sculpture gives us a peculiar sense of exhilaration because it can translate us from the narrow personal plane to an impersonal one.

FOURTH CENTURY

Naturally so lofty a standard could not be maintained forever.

---

[29] Sieveking, *Münchner Jahrbuch der bildenden Kunst,* V, 1910, pp. 1 ff. The rendering of the features and of the hair indicates a pre-fourth-century date.

[30] Cf. p. 89.

[31] Plato, *Republic* VI. 484.

By the fourth century a softening makes itself felt. The curve is further accentuated, creating a still greater contrast of direction; and in the modeling the number of planes has greatly multiplied, more nearly approximating nature. All these changes are admirably shown in the Hermes by Praxiteles (fig. 664), a statue in which we have the advantage of studying a Greek original by a great master.[32] There is a new grace in the attitude, and in the modeling all hard divisions have disappeared. One part now passes imperceptibly into the adjoining, everything is gentle and soft with infinite variations. The play of light and shade on this delicately worked surface suggests the luminous quality of flesh and we feel the envelope of skin over muscles and bones as we never have before. And yet there is something godlike in the quiet serenity and detachment. Nevertheless the lofty quality of fifth-century sculpture is gone. The pattern scheme out of which Greek sculpture grew and which gave it volume and grandeur is disappearing. In spite of the increase in grace the design harmony is lacking. And we feel we are on a different plane, more personal, less spiritual, and so less invigorating. The same is true of all fourth-century sculpture. The Praxitelean Apollo Sauroktonos (fig. 675) and Satyr (fig. 682), the "Skopasian" Hermes of the Ephesos column (fig. 705), and the bronze youth from the Bay of Marathon[33] (figs. 46–48) show a lovely composition and modeling, but an absence of the former vigor and decorative quality.

The new taste for grace and softness naturally awakened interest in the female body. While in the sixth and fifth centuries undraped female figures appear only occasionally they now become a favorite subject. The delicate modulations of the female form were rendered with fine appreciation, and a new realm of beauty was thereby added to the artistic stock. We can obtain only a faint glimmer of these fourth-century creations by the Roman copies of such famous works as the Knidian Aphrodite (fig. 668) and the Aphrodite Anadyomene (e.g., the Aphrodite from Kyrene,[34] fig. 50) or by bronze statuettes like the lovely Aphrodites in the British Museum[35] (fig. 49) and in the Haviland Collection;[36] for no first-class full-size

---

[32] See p. 257, note 24.

[33] Rhomaios, Δελτ. 'Αρχ., 1924–25, pp. 145 ff.; National Museum, Athens, No. 15118.

[34] Paribeni, *Le Terme di Diocleziano e il Museo Nazionale Romano*, p. 160, No. 372.

[35] Walters, *Select Bronzes*, pl. 45.

[36] *Collection Ch. Haviland, Sale Catalogue*, Dec. 12, 1922, pl. X.

Greek originals have survived. But even so we can form an impression of the sensuous charm of the curves and subtly contrasting planes. And the potency of this charm can be gauged by the influence these works have exercised on all subsequent art, including our own.

Toward the later part of the fourth century the sculptor Lysippos introduced a novelty into the design of the figure by "making the body more slender and the head smaller, thus giving his figures the appearance of greater height."[37] We see this new canon illustrated in the Apoxyomenos of the Vatican (fig. 739) with its long legs and slender proportions, in the praying boy in Berlin[38] (fig. 51), and in the bronze statuette of Alexander in Paris[39] (fig. 52). A new elasticity and realism are introduced by this change. We are gradually leaving behind us the idealistic conceptions of earlier Greek art to enter a world of different values.

Hellenistic Period

During the Hellenistic period these tendencies are still further accentuated. The graceful fourth-century poses either become even softer and more effeminate, as in the Hermaphrodite in Constantinople[40] (fig. 53), sometimes with an added element of picturesqueness, as in the Satyr of the Capitoline Museum[41] (fig. 54); or they are completely abandoned and a new sense of movement is imparted to the figure by "crossing the action." That is, the various parts of the body—the head, the trunk, the legs—are placed at completely different angles from one another, thus imparting a decided twist to the figure. A similar change takes place in the modeling. The planes hitherto kept fairly uniform with only subtle variations now show violent contrasts. The original pattern scheme has been completely discarded for a realistic rendering. The commanding statue of Poseidon in Athens[42] (early Hellenistic; fig. 55), the bronze portrait statue in Rome[43] (fig. 57) and the Farnese Herakles in Naples[44] (fig. 56), both late Hellenistic, are typical examples. Compared with the lofty types of earlier days they make on us a restless, almost theatrical impression; but their vitality and strength are undeniable. And by this new realism sculpture now becomes more human, less remote, and so easily understood by the multitude. Therewith a new world of ideas opened up to the sculptor, and he attempted many subjects hitherto neglected (cf. p. 82). Instead of the portrayal of beautiful types he turned to that of individual human beings and produced such sensitive renderings as the young negro musician in Paris (figs. 58–60). The simple standing figure now naturally became less common, and more intimate or complex poses prevailed.

---

[37] Pliny, *N.H.* XXXIV.

[38] *Beschreibung der antiken Skulpturen in Berlin,* No. 2. Both arms are restored.

[39] De Ridder, *Bronzes antiques du Louvre,* pl. 31, No. 370.

[40] Mendel, *Catalogue des sculptures du Musée à Constantinople,* No. 624.

[41] Helbig, *Führer,*³ I, No. 875.

[42] National Museum, No. 235.

[43] Helbig, *op. cit.,* II, No. 1347.

[44] Ruesch, *Guida del Museo Nazionale di Napoli,* No. 280.

Much that has been said regarding the development of the standing type applies also to the other types, for the modeling of the human figure is naturally similar in all. In our survey of these types, therefore, we shall confine ourselves largely to a study of the development of the attitudes.

(*b*) *The Seated Figure*

The seated figure enjoyed a great and continuous popularity in Greek sculpture.[45] Besides the problem of representing the human figure in a relaxed, quiet pose, we have here the further task of making it appear separate and distinct from the seat. In early archaic renderings, like the goddess from Prinias,[46] the Branchidai statue[47] (fig. 62), and the example on the Corfu pediment[48] (fig. 61), this has not yet been achieved. The figure appears as part and parcel of the throne, and the attitudes are stiff and constrained, though grandly conceived. The statues are in strictly frontal position with both sides exactly alike and no turn in either direction. In the examples of the later sixth century, such as the Athena by Endoios (?) from the Akropolis[49] (fig. 64) and the terracotta statuettes of this period (cf. fig. 63), there is a considerable advance in the elasticity of the pose, which has now a quiet dignity and charm. In the Berlin goddess[50] (fig. 65) of about 480 there is a new grandeur, heralding a new era. In the transitional period (480–450) the frontal pose is abandoned and the figure begins to move and turn, just as it does in the standing type. Interesting examples are the "Penelope" of the Vatican[51] (fig. 68), the beautiful Athena of the Olympia metope in the Louvre (fig. 66), and the bronze kitharist in the Hermitage[52] (fig. 67); in the marble figures, which are really worked in high relief, the upper and lower parts of the body are placed in contrasting planes, while in the bronze statuette a pleasing variety is attained by less drastic means.

---

[45] For a recent study of the development of the seated type with numerous illustrations, cf. Möbius, *Ath. Mitt.*, XLI, 1916, pp. 119 ff.

[46] Pernier, *Bolletino d'arte*, 1908, p. 459; *Annuario della scuola archeologica di Atene*, 1914, p. 90, fig. 46.

[47] Pryce, *Catalogue of Sculpture in the British Museum*, I, 1, No. B 271.

[48] Βερσάκης, Πρακτικά, 1911, p. 183, fig. 11.

[49] Dickins, *Catalogue*, No. 625.

[50] Wiegand, *Antike Denkmäler*, III, pp. 45 ff., pls. 37 ff.

The seated figures of the Parthenon pediment (figs. 69–71[53]) show complete freedom. The poses are easy and relaxed, with a slight not too obvious change of direction in the upper and lower parts, and the seats are entirely separate so that we feel that the body can rise at will; and yet the former sense for design is still strong, imparting to these statues an imposing majesty. They make us regret the more that we have lost one of the most famous creations of antiquity, Pheidias' seated statue of Zeus at Olympia (cf. p. 218).

The reliefs of the fourth-century gravestones show many beautiful seated figures in quiet and completely naturalistic poses. As examples in the round we may mention the Demeter from Knidos[54] (fig. 315) and some Tanagra statuettes (cf. fig. 73[55]) in which the gentle charm of fourth-century art finds beautiful expression. A comparison between the girl in figure 73 with the "Penelope" (fig. 68) will bring home to us better than many words the naturalistic development of the type. In the bronze Hermes from Herculaneum[56] (fig. 72) the problem of representing a seated figure in a momentary pose is beautifully solved. This statue—a Roman copy of an original of Lysippian traditions—foreshadows the new sense of movement which became so popular in Hellenistic times. In the bronze boxer[57] (fig. 765) and the Belvedere Torso[58] (fig. 766) of the late Hellenistic period we find the same qualities we noted in the standing types of the period—superbly realistic modeling and dramatic action conveyed by a decided twist of the body and the placing of the head at a completely different angle from the trunk. The drunken woman hugging her bottle[59] (fig. 74) and the boy extracting a thorn from his foot[60] (fig. 75) give us an idea of the many-sidedness of the new outlook. But how far we have traveled from the stately Branchidai figures!

---

[51] Helbig, *Führer*,[3] I, No. 89.

[52] Waldhauer, *Pythagoras of Rhegium*, pp. 69 ff., figs. 13–15.

[53] Smith, *The Sculptures of the Parthenon*, pls. 3, 5.

[54] Smith, *Catalogue of Greek Sculpture in the British Museum*, II, No. 1300.

[55] Metropolitan Museum, *Bulletin*, 1911, pp. 214–215, fig. 8.

[56] Ruesch, *Guida del Museo Nazionale di Napoli*, No. 841.

[57] Helbig, *op. cit.*, II, No. 1350.

[58] *Ibid.*, I, No. 124.

[59] Furtwängler, *Beschreibung der Glyptothek*, No. 437.

(*c*) *The Flying or Running Figure*

From the first the Greek sculptor was interested in motion. To represent a flying or running or striding figure, what fascinating problems it entailed, how necessary for his metope or pediment compositions, how difficult of solution with the limited powers at the command of the archaic artist! His method of coping with the difficulties is characteristic. He invented a scheme, a convention for these poses, highly decorative, far from naturalistic, but admirably serving his purpose. And the scheme once adopted was adhered to as an accepted formula until superior knowledge enabled him to rise to higher conceptions. Thus, to show the rapid forward motion of running or flying he represented the figure kneeling on one knee, with arms stretched upward, downward, or sidewise; the upper part of the body in full front, the legs in profile, with no proper interconnection between these two portions. As examples of the earlier archaic period we may cite the amazing Gorgon from the Corfu pediment[61] (fig. 76; *c.* 580–570 B.C.), the Gorgon in Syracuse[62] (fig. 79), the Nike from Delos[63] (figs. 77, 78; *c.* 560–550), and the bronze statuettes of a Nike in Athens[64] (fig. 80) and of a runner in New York[65] (figs. 81, 82). These figures, though they do not actually represent the motion correctly, certainly suggest it, and decoratively are very effective. So the scheme—adequate for the time being—continued throughout most of the sixth century, developing gradually in the direction of naturalism by a less abrupt connection of the upper and lower parts. Beautiful examples of later archaic renderings are the bronze statuettes of Nike in London[66] (fig. 83) and a marble relief in Athens (fig. 84).[67] In spite of the adherence to the old scheme there is now more freedom and swing to the movement.

Side by side with this conventional scheme there appear during the sixth century more realistic representations in which the legs and arms are in more natural positions; for instance the bronze statuettes in Athens[68] (fig. 85), Berlin,[69] and London[70] (fig. 86). But they are only sporadic. Not until the early fifth century with the casting off of archaic conventions was the charming decorative motive of the early artist finally given up (surviving only in some representations on coins, where archaizing tendencies were always strong, since for practical reasons the continuity of a standard type was desirable).[71] In a statue of a running maiden of about 480 recently found at Eleusis[72] (fig 87) the body has now the right forward direction, the knees are bent at the proper angle, and at last the upper and lower parts of the body coördinate. The only archaisms are a lingering stiffness in the attitude and that charming, decorative quality which is gradually lost with the conquering naturalism. We still feel these two traits, though in a slightly less degree, in the Leto of the Conservatori Palace[73] (fig. 90), and the beautiful statue from Marmaria at Delphi[74] (fig. 89) of about 460–450. Even in the figure of the Ilissos frieze[75] (fig. 88) of about the middle of the century the upper part of the body is a little too perpendicular for the motion of the lower part. But a few years later complete freedom is attained. It is difficult to imagine more adequate representations of running figures than the Copenhagen Niobid[76] (about 450–440; fig. 92) or the Iris from the Parthenon pediment[77] (438–432; fig. 91), at once swiftly moving and majestic; or of a flying figure than the Nike of Paionios[78] (about 425–420; figs. 637, 638), gently floating through the air. There is no longer need of formulas or conventions to suggest the idea of motion; the actual movement is successfully rendered in a naturalistic and yet artistic manner. It is a far cry from the Parthenon Iris to the schematized figures of the sixth century; but part of its greatness lies in the fact of its immediate succession from them. In spite of the consummate naturalistic modeling we are still conscious of the pattern scheme which is its background. The Epidauros Nike (fig. 713) is a graceful version of gliding motion characteristic of the early fourth century; and the forward-rushing female figure in Budapest[79] (fig. 93) is a Roman copy of a Greek work of the middle of that century. As examples of the Hellenistic period we may cite the famous Nike of Samothrake[80] (fig. 95), one of the most powerful renderings of movement in the history of art; and the charming bronze Eros (fig. 94) of the Morgan Collection[81] typical of the new outlook of the time.

---

[60] Smith, *Catalogue of Greek Sculpture in the British Museum,* III, No. 1755.

[61] Βερσάκης, Πρακτικά, 1911, pp. 172–175.

[62] Orsi, *Monumenti antichi,* XXV, 1918, pl. XVI.

[63] National Museum, Athens, No. 21.

[64] *Ibid.,* No. 6483.

[65] Metropolitan Museum, *Catalogue of Bronzes,* No. 16.

[66] Walters, *Select Bronzes*, pl. 4, fig. 1.

[67] National Museum, No. 1959.

---

[68] National Museum, *Carapanos Collection,* No. 24.

[69] Kekulé, *Bronzen aus Dodona,* p. 32.

[70] Walters, *Catalogue of Bronzes in the British Museum,* No. 208.

[71] Thus on the coins of Kilikia a running winged female figure is shown in the conventional archaic attitude from the sixth century to the late fifth; cf. British Museum, *Catalogue of Greek Coins,* XVII, Cilicia (Mallus?), pls. XV, XVI.

[72] *Arch. Anz.,* 1925, p. 315.

[73] Stuart Jones, *The Sculptures of the Palazzo dei Conservatori,* p. 227, No. 31, pl. 85.

[74] Homolle, *Fouilles de Delphes,* IV, pl. LVI.

[75] *Antike Denkmäler,* III, pl. 36; Studniczka, *Jahrbuch,* XXXI, 1916, pp. 169 ff.

[76] Arndt, *La Glyptothèque Ny Carlsberg,* pl. 38; Brunn-Bruckmann, *Denkmäler,* pls. 712–714.

[77] Smith, *Sculptures of the Parthenon,* pl. 3, right; compare also the similar figure in Copenhagen, Brunn-Bruckmann, *op. cit.,* pl. 663.

[78] Treu, *Olympia,* III, pls. XLVI–XLVII.

(d) *The Striding Figure*

The striding figure, that is, one in forward though not rapid motion, likewise absorbed the Greek sculptor from very early times. It was naturally an easier action to represent than that of rapid flight, and we find a fair measure of success even in the earliest attempts: for instance in the Zeus of the Corfu pediment[82] (fig. 96), where the action of the legs and of the whole forward-leaning body is already convincing, though the modeling is still primitive, with the upper part in full front, the legs in profile. The same general attitude with legs wide apart and one arm raised holding a spear, thunderbolt, or other weapon is found again and again during the sixth century. It is a favorite one for small bronze statuettes;[83] it occurs on the coins of Poseidonia[84] from 550 to 510 (fig. 98 on p. 65), and it is that of the Herakles in the pediment of the Siphnian Treasury[85] (fig. 382) and of many of the warriors on the Siphnian frieze[86] (about 525; fig. 97). In all these renderings, just as in the contemporary flying figures, the upper and lower parts of the body do not coördinate;

---

[79] Hekler, in Brunn-Bruckmann, *Denkmäler*, pl. 640.

[80] Conze, Hauser, and Benndorf, *Untersuchungen auf Samothrake*, II, pl. LXIV. The date of the statue has been much disputed. I agree with Lawrence's excellent exposition in *J.H.S.*, XLVI, 1926, pp. 213 ff., placing it in the last quarter (or end) of the fourth century, though his theory as to the battle of 323 having been the occasion of its erection is of course a mere conjecture (see Chronology, p. 48). The Nike is evidently conceived as alighting after flight, with wings still outspread.

[81] Metropolitan Museum, *Catalogue of Bronzes*, No. 131 (catalogued when the statuette was there on loan).

[82] Βερσάκης, Πρακτικά, 1911, p. 167.

[83] Cf., e.g., Neugebauer, *Antike Bronzestatuetten*, No. 27.

[84] Gardner, *Types of Greek Coins*, pl. I, No. 2.

[85] Homolle, *Fouilles de Delphes*, IV, pls. XLVI, XLVII, fig. 1 a.

[86] *Ibid.*, pls. XXI–XXIII.

moreover, the body is often too perpendicular; and little attempt is made to show the contraction of the muscles under the strain of the action. All this is gradually corrected during the first half of the fifth century. We may mention as distinguished examples the bronze statuettes of Herakles from Mantineia[87] (fig. 99), of a warrior[88] (fig. 100) and of Zeus[89] from Dodona (figs. 101, 102), the warriors from the west[90] and east[91] pediments of Aigina (fig. 103), and the Herakles of the Selinus metope[92] (fig. 412). In the splendid warrior from Sparta[93] (fig. 104) the upper part of the body is inclined farther forward, a device which accentuates the action. An effective variation is introduced by Kritios and Nesiotes in the Harmodios (figs. 575–577) of the Tyrannicide group in which the right arm is brought over the head, adding greatly to the swing of the composition.

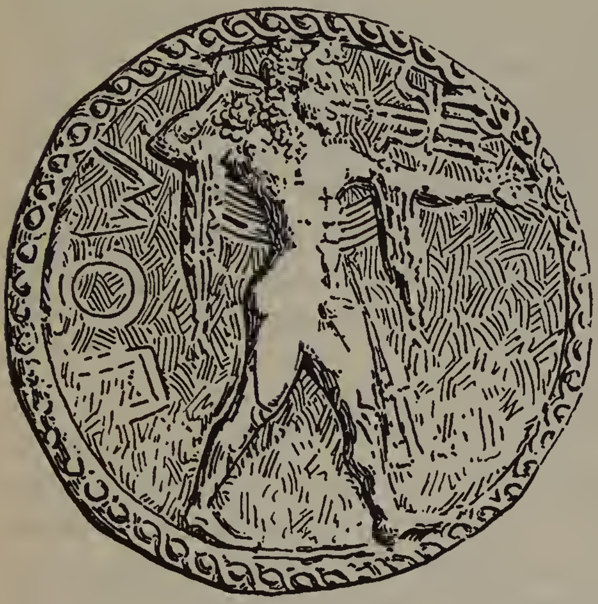


Fig. 98. Poseidon, on a coin of Poseidonia (enlarged)

E. T. Newell Collection, New York

All traces of archaism and stiffness completely disappear in the following period; and the type reaches its complete development in the striding Lapiths of the Parthenon metopes[94] of about 447–443 (fig. 105) and in the Herakles of the Phigaleia frieze[95] of about 420 (fig. 106). The action is now perfectly convincing, the figures have an amazing force and freedom and are correctly constructed throughout. In the Herakles particularly the contraction of the muscles of the arms and of the serratus magnus are realistically rendered. The difference between these later, finished representations and the early attempts on the Corfu pediment is far-reaching; and yet the kinship is close. Again we feel the tradition behind the freer figures, which helps to give them restraint and stability. In the fourth century, though there is a lessening of vigor, we have fine renderings, like the warriors of the Mausoleum frieze (fig. 698). As an example of what happened to the striding figure in Hellenistic times we may cite the Borghese Warrior in the Louvre[96] (fig. 107) and the superb Gaul killing himself in the Terme Museum[97] (fig. 108). Here the tradition is fading. The realism of the action and of the modeling indicates a novel outlook. The Borghese Warrior indeed might serve as a model in an anatomy class. And yet even here we note the observance of the unified volume, of the relief conception, one of the fundamental characteristics of earlier Greek sculpture (cf. pp. 27 f.); and the restlessness and theatrical quality are largely neutralized thereby.

---

[87] Metropolitan Museum, *Bulletin,* November, 1928.

[88] Kekulé, *Bronzen aus Dodona,* pl. II, p. 13.

[89] *Ibid.,* pl. I, p. 6.

[90] Furtwängler, *Aegina,* pl. 96, Nos. 22 and 14 (Glyptothek 76 and 80).

[91] *Ibid.,* pl. 95, No. 72 (Glyptothek 86).

[92] Benndorf, *Metopen von Selinunt,* pl. VII.

[93] Woodward, *B.S.A.,* XXVI, 1923–25, pls. XVIII–XX, p. 253; National Museum, Athens, No. 3613.

[94] Smith, *Sculptures of the Parthenon,* pl. 19, 1.

[95] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, No. 541.

(*e*) *The Reclining Figure*

The history of the reclining figure is one of the most interesting in Greek sculpture. A figure in a merely horizontal position was of course comparatively easy to represent, but the reclining posture in which the upper part of the torso faced the spectator and the legs were in profile presented many difficulties; and yet this attitude was the most desirable for scenes of banquets and combats or for fitting the figure into pediment angles. The twist of the body entailed a strong torsion, the rendering of which required more knowledge of anatomy than the archaic sculptor had. It is interesting to see how the Greek sculptor tackled these difficulties. At first he simply avoided them. He either took refuge in the completely horizontal attitude, as, for instance, in the angle figure of the Corfu pediment[98] (fig. 109) and in the fallen warriors on the Siphnian frieze,[99] or he covered the body with armor or drapery, as in the reclining figure from Samos[100] (fig. 110); or again he represented only the upper part nude and covered the lower with drapery, as in the Amazon from the corner of a pediment in the Thebes Museum[101] and in the banqueters on the sarcophagus from "Golgoi"[102] (fig. 111). But we see the sculptor at grips with the problem in the fallen giant from the marble pediment of the "Hekatompedon"[103] (*c.* 520; fig. 112). Here the chest is in full front view, while the hips and abdominal regions are in profile. Beneath the sternum where the torsion takes place confusion reigns; the various divisions of the rectus abdominis are placed in strange positions and the median line forms several sharp angles in an impossible manner.

---

[96] Brunn-Bruckmann, *Denkmäler*, pl. 75.

[97] Helbig, *Führer*,^{8} II, No. 1302.

[98] Βερσάκης, Πρακτικά, 1911, p. 185.

[99] Homolle, *Fouilles de Delphes*, IV, pls. XXI–XXIII.

[100] Unpublished. I am indebted to E. Buschor for permission to reproduce this illustration.

[101] From Topolia; cf. *Ath. Mitt.*, XXX, 1905, pl. 13.

In the figures of the west[104] (fig. 113) and the east pediments[105] (fig. 114) of the Aigina temple (*c.* 500–480) the problem is not yet solved; the upper abdominal muscles are made to lie horizontally in curious fashion and the median line is still angular.[106] But twenty years later we find the beautiful figures of Kladeos (fig. 115) and Alpheios (fig. 116) of the Olympia pediments,[107] both shown in reclining poses with correct construction. The action of the muscles is rightly expressed and the necessary curve is attained; the undulating contours of the figures admirably suggest the slow stream of rivers, and their detachment fits them well for their rôle of spectators; the only archaism left is a lingering angularity. This is still evident in the fine bronze statuette of a fallen giant[108] (fig. 117) which dates from the middle of the fifth century.[109] In the Ilissos of the Parthenon pediment[110] of about 438–432 (fig. 119) and the Niobid in Copenhagen[111] (fig. 118) the last vestige of stiffness is conquered; each part connects naturally with the succeeding, and together they form a beautiful and harmonious whole. The Hellenistic period has given us some splendid representations of reclining

[102] Myres, *Handbook of the Cesnola Collection in the Metropolitan Museum,* No. 1364.

[103] Dickins, *Catalogue of the Acropolis Museum,* I, No. 631 A. Though the navel itself and the portion below it are restored, the upper portion is fortunately intact.

[104] Furtwängler, *Aegina,* pl. 96, Nos. 1 and 33 (Glyptothek 83 and 79).

[105] *Ibid.,* pl. 95, No. 41 (Glyptothek 85).

[106] Cf. on this subject Lange, *Darstellung des Menschen,* pp. 69 ff.

[107] Treu, *Olympia,* III, pl. XV, 2, 3.

[108] In the British Museum. Unpublished. I am indebted to H. B. Walters of the British Museum for permission to use the illustration.

[109] That this giant cannot be dated as late as 400 B.C., as suggested by a reviewer in the *J.H.S.,* 1929, p. 134, is shown by the maplike rendering of the rectus abdominis muscle with sharply defined contours. By the end of the fifth century this would have been modeled in a more rounded, naturalistic manner. If Etruscan, as claimed by the same reviewer, it takes its place in the development of Greek sculpture just as if it were Greek; but there is no definite evidence for an Etruscan origin.

[110] Smith, *Sculptures of the Parthenon,* pl. 7.

[111] Arndt, *La Glyptothèque Ny Carlsberg,* pl. 51; Brunn-Bruckmann, *Denkmäler,* pls. 710–713.

figures, perfectly relaxed, in highly naturalistic renderings. We may cite as typical examples the dead Gaul in Venice[112] (fig. 120), the bronze statuette of a sleeping Eros in the Metropolitan Museum[113] (fig. 121), and the marble statue of a sleeping Satyr in the Lateran[114] (fig. 122), which though of Roman workmanship are directly copied from late Greek models.

(*f*) *The Falling Figure*

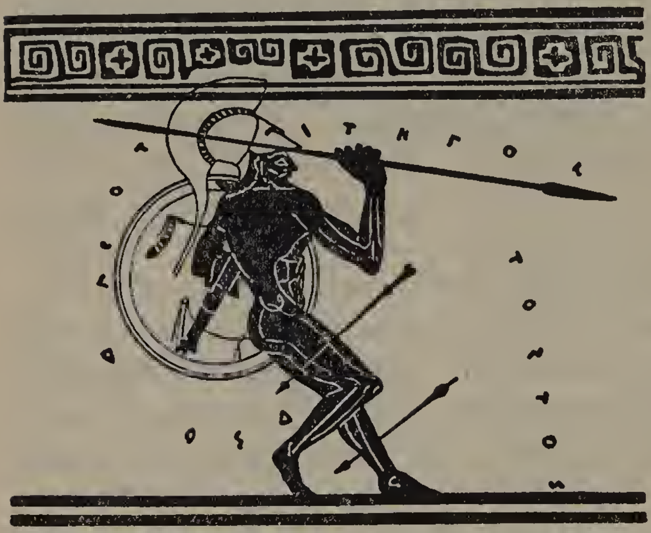


Fig. 129. Wounded warrior, from a lekythos
Bibliothèque Nationale, Paris
(Cf. p. 233)

The falling figure has an interesting career. At first the motive of a body falling backward was too difficult of achievement and a compromise was effected by representing the figure as partly kneeling—just as in the flying figure. We find this device in the giant opposing Zeus in the Corfu pediment,[115] of the first half of the sixth century (fig. 96); and in more developed form on the Siphnian frieze[116] (*c.* 525; fig. 123). In the sculptures of the Athenian Treasury (*c.* 510–500), however, the falling motion is at last attempted in the metope of Herakles and Kyknos[117] (fig. 124). In the east pediment of Aigina (*c.* 480), at least as restored by Furtwängler[118] (cf. fig. 389), and in a metope of temple E at Selinus[119] (*c.* 470) warriors and a giant are shown falling backward at precarious angles (fig. 413). The problem was also attempted in single compositions, as we know from the mention of a "volneratus deficiens" by Kresilas (cf. p. 233) and by the beautiful bronze statuettes of Ajax in Florence[120] (figs. 125, 126) and of the warriors in Modena[121] (fig. 128) and in St. Germain-en-Laye[122] (fig. 127). These bold attempts are characteristic of the adventurous transition period and are found also in contemporary vase-paintings (cf. fig. 130).[123]

---

[112] Dütschke, *Antike Bildwerke in Oberitalien,* V, No. 209; Bienkowski, *Die Darstellung der Gallier,* pp. 38 ff., fig. 50.

[113] *Catalogue of Bronzes,* No. 132.

[114] Helbig, *Führer,*³ No. 1176 (450).

[115] Βερσάκης, Πρακτικά, 1911, p. 167.

[116] Homolle, *Fouilles de Delphes,* IV, pls. XII–XIV.

[117] *Ibid.,* pl. XLII.

[118] *Aegina,* pl. 106.

[119] Benndorf, *Metopen von Selinunt,* pl. X.

The calm serenity of later fifth- and fourth-century sculpture hardly admitted of such restless creations of momentary poses. When utilized in contest scenes in pediments, metopes, and friezes the half-kneeling attitude is again adopted, but now with correct inclinations of the body and in very beautiful postures. The metopes of the Parthenon, and the Phigaleia and Mausoleum friezes supply lovely examples (cf. fig. 131).[124] The striving for realism and variety in Hellenistic times made the adoption of the falling attitude again possible. A good example is the bronze statuette in New York of a drunken Herakles reeling backward[125] (fig. 132). The backward inclination is not nearly so marked as in the examples of the transitional period, so that we have a better sense of equilibrium; and the modeling is completely naturalistic.

(*g*) *The Crouching Figure*

THE crouching figures in the many combat scenes on pediments, metopes, and friezes necessarily vary largely in postures, leaning more or less forward according to the action and composition. The favorite attitude is the half-kneeling one, with one knee on the ground, the other bent at an angle. We can watch its development in the pediment groups from the Siphnian and the Megarian (fig. 383) Treasuries to those of the temples of Aigina (figs. 388, 389) and Olympia[126] (figs. 133, 134). The crouching Lapiths of the Parthenon[127] metopes show us the harmonious renderings of the second half of the fifth century, and as typical examples of the fourth century and Hellenistic times we may cite the attractive terracotta statuette[128] (fig. 135) and the silver Satyr (fig. 558), both in New York.

[120] Milani, *Bolletino d'arte,* II, 1908, pp. 361 ff.

[121] Bulle, *Der schöne Mensch,* pl. 94.

[122] S. Reinach, *Gazette des Beaux-Arts,* 1905, pp. 193 ff.

[123] Metropolitan Museum, Acc. No. 08.258.21.

[124] Smith, *Sculptures of the Parthenon,* pl. 17, 2.

[125] Metropolitan Museum, *Handbook* (1930), p. 195, fig. 133.

[126] Treu, *Olympia,* III, pl. XIV.

[127] Smith, *op. cit.,* pls. 19, 2 and 23, 2.

[128] Metropolitan Museum, *Bulletin,* 1922, p. 114, fig. 2.

Such is the development of the chief types in Greek sculpture. Naturally other poses occur, at least occasionally, but they are surprisingly few; except of course in Hellenistic times, and during one other period, that of the end of the archaic epoch, when the Greek sculptor suddenly found himself able to represent the human body in all manner of postures. It was the first time in his career and he was naturally tempted to try out his powers in this new world of form. And we find him attempting such complicated poses as that of the Diskobolos (fig. 578) and the Marsyas (fig. 584), the bronze jumper in New York[129] (fig. 136) and the Niobid in Rome (fig. 4). But this indulgence was only temporary. His taste for quiet and restraint soon brought him back to his simple attitudes for standing and seated figures, with the accepted types of figures in motion for his groups of contests. And we have seen what this concentration and sculptural feeling led him to achieve.

---

[129] Metropolitan Museum, *Catalogue of Bronzes,* No. 81; *Handbook* (1930), p. 105, fig. 67.

CHAPTER V

THE HEAD

(*a*) *The Rendering of the Features*

THE human figure with its manifold, intricate problems was so absorbing to the Greek sculptor during his early period that he could not give the head primary consideration. He struggled with its representation, as he did with that of the rest of the body, but to him the human face was only part of a physical organism, not the chief medium for the conveyance of human emotion. Moreover, emotion per se seemed at the time of secondary interest; for the emphasis was laid on the fundamental principles of sculptural representation. So the archaic Greek sculptor, starting as he did with a primitive conception of form, had to concentrate first and foremost on an adequate rendering of the human features. Throughout the archaic period we find him absorbed in this task. At first, just as in his rendering of the torso, he was too timid to carve deeply into his block, so that the face was comparatively flat, with forehead, eyes, cheeks, mouth, and chin all more or less in one plane, the nose only protruding; the head, like the body, still retains the cubic shape of the block into which it was carved. Only gradually, in a slow and groping manner, he gave up his superficial carving and found the right relation of the different planes to one another.

SEVENTH TO SIXTH CENTURY

It is interesting to watch him at work. The Dipylon head[1] (fig. 137; second half of seventh century), the Olympia Hera[2] (fig. 138; *c.* 600), the Berlin standing goddess[3] (figs. 139, 140), the Delphi Youth[4] (fig. 142), and the Chrysaor from Corfu[5] (fig. 141), of the first half of the sixth century, illustrate an early stage. Everything is flat and near the surface. The brows, the lids, and the balls of the eyes are about level with one another and with the adjacent parts of the forehead and cheeks. The eyelids are merely curved ridges and

[1] Buschor, *Ath. Mitt.*, 1922, p. 54.

[2] Treu, *Olympia*, III, pl. I, pp. 1 ff.

[3] Wiegand, *Berliner Museen*, 1926, 2, p. 18.

[4] Homolle, *Fouilles de Delphes*, IV, pls. I–II.

[5] Βερσάκης, Πρακτικά, 1911, pp. 187 ff.

there is as yet no indication of the tear-duct at the inner corner.[6] The two lips are curved inward, or straight and bent slightly upward with a little depression at the corners. The ear is generally too high or too low, and lies flat against the head, the shell not being detached from the skull but carved into it.[7] It has often a beautiful schematized form combining with the earring into a geometric pattern. In other words the forms of the features are conditioned by the fact that they are carved, so to speak, in relief on the flat sides of a cube instead of being modeled in the round; the front, back, and two profile views are the only ones considered. That these early heads, with all their primitiveness, have charm and often great beauty is due to the feeling for design and volume. The outline of the head, the lines formed by the eyebrows, the eyelids, and the lips have a beautiful swing; and the general effect is highly decorative. Moreover, they retain the connection with the block into which they were carved and thus compare favorably with some later work where this feeling for volume is lost. Again we learn that correct rendering of nature is not a prerequisite of art.

By the second half of the sixth century much has been learned. There is now a greater difference of planes and many details hitherto neglected are observed. In the Akropolis Korai, Nos. 679 and 680 (figs. 143, 144), for instance, the eye is sunk beneath the brow and the eyelids are no longer mere ridges, the upper one having considerably more width than before; the ball itself recedes downward, so that the lower lid is in a different plane from the upper; and the inner corner is carved to indicate the tear-duct. The eye as a whole is not yet sufficiently sunk and the ball is not felt as a separate member, but the advance from the primitive rendering of fifty years before is great. The same applies to the mouth. The upper and lower lips are no longer practically identical ridges, but are finely designed, and often end in a sharp point at the corners instead of the transverse groove. Moreover, the whole head is becoming slightly rounded instead of cubic. Nevertheless, the decorative quality is retained in the simplification of the form and the sharply defined contour of each feature. A mysterious charm pervades the whole.

---

[6] The Nike from Delos, No. 21 in the National Museum in Athens, is probably one of the earliest examples in which the tear-ducts are indicated; the statue is best placed a little before the middle of the sixth century.

[7] In the Delphi Youth the ear is carved into the hair (which is brought forward) and is thereby detached from the skull.

The decorative instinct of the early Greek sculptor enabled him also to deal with another great problem which confronted him, the rendering of the hair. Since it seemed impossible with the knowledge at his command to represent in any way approaching reality the luminous, infinitely variegated surface of human hair, he frankly had recourse to conventional treatment; and utilized various designs of his own, often with highly pleasing results. His commonest device was a series of long, vertical ridges starting from the forehead, brought down to the back, and divided by horizontal grooves or ridges to form a chequer pattern (New York head,[8] fig. 148). The ridges themselves are sometimes further diversified by smaller ripples (Sounion Apollo,[9] fig. 146, and Delphi Youth,[10] fig. 145); or the scheme is simplified by the use of horizontal or vertical ridges only (Tenea Apollo,[11] fig. 149; New York head,[12] fig. 147), or, with greater truth to nature, wavy ridges are made to radiate from the center of the cranium (Akropolis Kore,[13] fig. 150). Rarely the hair is worn short and indicated by ringlets as in later times (Munich Apollo,[14] fig. 151). A few separate strands or locks are brought over to hang down over the shoulder in front, regularly in female statues and occasionally also in the male ones (e.g., in the Delphi Youth, fig. 17). To frame the brow we often find—especially in male heads—highly stylized spiral curls, in one or more rows (Sounion Apollo, fig. 152; the Chrysaor from Corfu, fig. 153; and the Rampin head in the Louvre,[15] fig. 154); or simple lozenges (Boston head, fig. 155); or merely a wavy outline (Tenea Apollo, fig. 22). In the female heads the hair is generally represented waved in front, often parted in the middle, with side coils on the temples (figs. 143, 144), or, in some of the earliest heads, it is arranged in braids coiled horizontally on either side to give the effect of a "layer wig" (fig. 157[16]). In both male and female heads a ribbon—either forming a closed circle or tied, with ends hanging down—generally holds the hair in place, adding greatly to the ornamental effect of the coiffure. It is sometimes decorated with rosettes and flame-like motives (New York head, fig. 148). Occasionally we also find a diadem in front only (New York head, fig. 148) or a metal band at the back (Delphi Youth, fig. 145); and rings, ribbons, or bags for tying the hair at the back (figs. 140, 146). Another device sometimes employed to represent hair was the keeping of the mass plain—with the surface either painted (the color has since disappeared; New York head,[17] fig. 158) or punctured (Berlin head,[18] fig. 156). This treatment shows plainly how little the sculptor felt the necessity of depth, the lack of which is indeed the outstanding feature in his sculptured representations of hair; here, as in the figure and the face, the carving is flat.

---

[8] Metropolitan Museum, *Bulletin,* 1922, pp. 148 ff.

[9] National Museum, Athens, No. 2720.

[10] Homolle, *Fouilles de Delphes,* IV, pls. I–II.

[11] Furtwängler, *Beschreibung der Glyptothek,* No. 47.

[12] Metropolitan Museum, *op. cit.,* 1925, pp. 14–15, fig. 2.

[13] Akropolis Museum, No. 680.

[14] Brunn-Bruckmann, *Denkmäler,* pl. 662.

[15] *Ibid.,* pl. 552.

[16] Metropolitan Museum, *op. cit.,* 1925, p. 14, fig. 1. Cf. for other examples Poulsen, *Der Orient und die frühgriechische Kunst,* pp. 137–160.

Fifth Century

In the first half of the fifth century the advance toward naturalism continues along every line. The features become more convincing. The eye is farther sunk beneath the brow; and the form and position of the eyeball are better understood; the eyelids, though still heavy, are rendered more correctly with a good understanding of the tear-duct. The lips glide gradually into the cheeks. But there are still continuous contours round the eye and mouth, which add to the decorative feeling and detract from their realism. The ear assumes its correct place and size and stands out from the skull. We can watch the progressive development in the New York head[19] (*c.* 500; fig. 158), the "Boudeuse" in Athens[20] (*c.* 485; fig. 159), the seated goddess in Berlin[21] (*c.* 480; fig. 161), the Demarete coin of Syracuse[22] (*c.* 479–478; fig. 160), the Delphi Charioteer[23] (*c.* 470; fig. 162), and the Olympia Apollo[24] (*c.* 460; fig. 163). The hair, too, is revolutionized. First of all the fashion changes for the men. Instead of being worn hanging down the back it is either looped up behind (Olympia Apollo, fig. 163) or arranged in tresses tied round the head (Akropolis head,[25] fig. 169) or simply worn short (Delphi Charioteer, fig. 162, and Brescia head,[26] figs. 166–167). It is either rendered by wavy ridges, now regularly radiating from the center of the head, as in the Barracco head[27] (fig. 164), or when worn short, by neat little ringlets lying close to the skull (Delphi Charioteer, fig. 162). There is still no depth, the surface being practically continuous, with nothing obtruding. The fine spherical contour of the head is left unbroken.

---

[17] Metropolitan Museum, *Bulletin,* 1921, p. 9, fig. 1.

[18] *Beschreibung der Skulpturen in Berlin,* No. 308.

[19] See footnote 3.

[20] Akropolis Museum, No. 686.

[21] *Antike Denkmäler,* III, pls. 37 ff.

[22] Regling, *Die Münze als Kunstwerk,* pl. XVIII, 403.

[23] Homolle, *Fouilles de Delphes,* IV, pls. XLIX–L.

[24] Treu, *Olympia,* III, pls. XXII, XXIII.

[25] Akropolis Museum, No. 689.

[26] Furtwängler, *Masterpieces,* p. 174, fig. 72.

[27] Barracco and Helbig, *Collection Barracco,* pl. 29.

We arrive then by the middle of the fifth century at an approximately correct representation of the human features, but still accompanied by a strong feeling for design and volume—a combination which gives to the products of this period a beautiful, monumental quality. The general shape evolved has certain salient characteristics which have come to be regarded as typically Greek: in profile the forehead and the nose form an almost straight line; the eye is placed high up in its socket and closely approaches the eyebrow; the mouth is small with the curve of the lips accentuated; the chin is strong and the ear small; the face forms a regular oval.

The sculptors of the succeeding periods continued on the road toward naturalism. In the second half of the fifth century, the sharpness of outline gradually disappears. Attention is devoted to the study of transitional planes. In the Idolino[28] (fig. 168) and the head from Argos[29] (fig. 165) the contours of the features are softened, the upper eyelid is made to pass gently over the lower at the outer corner, the lips no longer converge to form sharp angles. Moreover, a decided rounding of the form as a whole has taken place so that every part passes naturally into the adjoining one.

In the hair too there is a marked advance toward realism. The separate strands begin to show greater variation and at last a slight feeling for depth is introduced. But the whole is still a strictly formalized design, and as such very beautiful.

Fourth Century

In the fourth century further great changes happen. We may take as representative examples the Hermes of Praxiteles[30] (fig. 170), the Marathon Boy in Athens[31] (figs. 172, 173), the Bartlett[32] and Chios[33] heads in Boston (figs. 175, 174), and the head of a youth from a relief in the Metropolitan Museum[34] (fig. 171). The sculptor now realized that in order to convey the impression of natural form he must change it in many particulars, that is, he must translate natural form into "impressional" form. So he gives the appearance of sinking the eye much farther into the head by widening the bridge of the nose and by accentuating the brow; moreover, he greatly reduces the thickness of the eyelids, particularly of the lower one (carefully modeling, however, the transitional planes), so that both now appear as members which can cover an eyeball; and he hollows out the eyeball, making it sometimes actually concave instead of convex. The mouth, too, is greatly changed. It becomes rounder and more fleshy, with the lower lip shorter than the upper. The lips are generally slightly parted with a ridge below the upper lip giving the impression of teeth. The forehead is often triangular in female heads. The modeling creates a subtly variegated surface, one plane passing imperceptibly into the next.

---

[28] Amelung, *Antiken in Florenz*, No. 268.

[29] Waldstein, *Argive Heraeum*, pl. XXXVI.

[30] Treu, *Olympia*, III, pls. XLIX–LIII.

[31] National Museum, No. 15118; Rhomaios, Δελτ. 'Αρχ., 1924–25, pp. 145 ff.

[32] Caskey, *Catalogue of Sculpture*, No. 28.

[33] *Ibid.*, No. 29.

[34] Metropolitan Museum, *Bulletin*, 1911, pp. 210–211.

In the rendering of hair the lesson of impressional form is also learned. After the fifth century the surface becomes more and more variegated; at last a feeling of depth is introduced. In the hair of the Bartlett Aphrodite (fig. 175), the Praxiteles Hermes (fig. 170), and the heads of the "Alexander sarcophagus"[35] (fig. 176) instead of the flat locks and strands there are irregular tufts of considerable depth creating manifold shadows. Individually these masses are less like locks of hair than their predecessors, but collectively they convey the general impression more successfully.

Hellenistic Period

All these tendencies are stressed and often exaggerated in the Hellenistic period. In the heads of a giant from the Pergamene altar[36] (fig. 177), of a Gaul in Rome[37] (fig. 178), and of Zeus on a cameo in Venice[38] (fig. 179) the deep sinking of the eyes, the furrowed brow, the open mouth create deep shadows and produce a dramatic effect. In the hair the depth of the separate masses further increases, the contour plane now becoming entirely broken up and uneven. The conception is pictorial, it is naturalistic, and therefore easily appreciated by most of us; but here too, as in the rendering of the human figure, the disappearance of the original pattern scheme results in a lack of harmony. The feeling for volume is lost and form is disintegrated.

(b) *The Head as a Medium of Expression*

We have pursued the history of the development of the human head from the point of view of the rendering of its features. We will now turn to the subject of how the Greek sculptor used it as a medium for the expression of emotion. Naturally, until an adequate knowledge of carving was attained it was futile to try to convey any range of feeling. We have attempts, if attempts they be, in early Medusa heads (cf. fig. 180[39]) where presumably an expression evoking horror is intended. But the result as we might expect is a mere grin. The time is not yet ripe. The so-called archaic smile may have been meant to convey happy alertness, as some hold, but it is more probably the fortuitous result of primitive carving. At all events it was not until the late archaic and transitional periods of the first half of the fifth century, when the sculptor had attained approximately correct representation, that the means were adequate for this new problem. Then indeed we find a great interest in the expression of human emotion—of joy, of sorrow, of pain, of surprise, of radiance. It resembles the sudden attention given to the representation of violent action; as if the sculptor, conscious of his new powers, wanted to try them out in all directions. An early example is the graphic rendering of pain in the falling giant of temple F of Selinus (end of sixth century),[40] who is represented with wide-open mouth, his teeth showing (fig. 181). A little later there are several excellent examples, such as the mourning woman on the Boston relief[41] (*c.* 480–470), where sorrow is conveyed by the lowered upper eyelids and the short, drooping mouth (fig. 184); and her companion on the same relief (fig. 183), where joy is expressed by a swing of the upper lid and an upward curve of the mouth; and the triumphant Elektra on the relief in Copenhagen[42] (fig. 182), whose exultation is shown by similar means. In the "Aphrodite" of the Ludovisi relief[43] (fig. 185) we have a beautiful expression of radiance due likewise to the upward curve of the mouth and strongly curving upper lid. Another fine example of a radiant expression is the Zeus from the metope of temple E at Selinus[44] (about 475; fig. 187), where the lips are not only curved but parted and the eyes wide open. For the representation of physical pain we may cite the fallen warrior from the east pediment of Aigina[45] (about 480; fig. 525) with his contracted lips

---

[35] Mendel, *Catalogue des sculptures du Musée à Constantinople,* No. 68.

[36] Museen zu Berlin, *Skulpturen aus Pergamon,* I, p. 27.

[37] Helbig, *Führer,*3 II, No. 1302.

[38] Furtwängler, *Antike Gemmen,* pl. LIX, 8.

Archaic Period

First Half of Fifth Century

---

[39] Dickins, *Catalogue of the Acropolis Museum,* No. 701.

[40] Benndorf, *Metopen von Selinunt,* pl. V; Collignon, *Histoire de la sculpture,* I, p. 331.

[41] Caskey, *Catalogue of Sculpture,* No. 17.

[42] Furtwängler, *Antike Gemmen,* III, p. 267.

[43] Helbig, *Führer,*³ II, No. 1286.

[44] Benndorf, *op. cit.,* pl. VIII, p. 54.

[45] Furtwängler, *Aegina,* pl. 95, No. 41 (Glyptothek 85), text, p. 228.

showing the teeth between them and the deep line from the nose downward; and the head of a dying warrior from the same pediment[46] (fig. 186) in which the gradual closing of the eyes is shown in a remarkably naturalistic manner. Even more realistic renderings of pain appear in some of the Centaurs and Lapiths of the Olympia pediment[47] (about 465–460; figs. 188 and 191) where deep lines are added on the brow and round the nostril, and the contraction of the mouth is very marked. Myron's Marsyas[48] (about 450; fig. 190) gives us an example of the expression of surprise, indicated by the long upward curve of the eyebrows, the corresponding grooves on the forehead, and the oblique setting of the eyes.

Besides emotion, age can contract the features and bring furrows to the face. This too began to interest the Greek sculptor and we have, in the transitional period, representations of old age such as the old woman on the Boston relief[49] (fig. 189). The effect is obtained by the wrinkles on the forehead and on the lower part of the face, the deep furrows from the nose downward, and the series of ridges below the chin; the hooked nose adds to the realistic expression.

It is noteworthy that we have in contemporary vase-painting a parallel interest in these variants from the prevalent types of serene and youthful beauty. On a krater in the Metropolitan Museum, for instance, there is a realistic rendering of an old man[50] (fig. 193); on a vase in Schwerin is one of an old woman;[51] and on several vases are beautiful renderings of musical exaltation.[52]

Second Half of Fifth Century

But neither in sculpture nor in vase-painting did the practice of depicting emotion become general at this period. As a rule the faces have a lofty, impersonal character. The realistic touches occur only occasionally; and in the succeeding period—the second half of the fifth century—they become if anything less frequent. For the sculptor had by now tried out his new powers; his interest in what he considered wayside experiments quickly subsided, and he put his whole effort into his great task of using the human figure, body and head alike, as an expression of lofty idealism. Representative heads of this time are therefore such examples as the female head from Argos (fig. 165), the Lemnian Athena[53] (fig. 614), the "Cassel Apollo"[54] (cf. fig. 194), or the New York athlete[55] (fig. 195), which are distinguished for their detachment and serenity; or the Niobid in Rome[56] (fig. 196), whose beautiful, composed features do not suggest in any way (except in the droop of the mouth) the physical agony she is in.

---

[46] Furtwängler, *Aegina,* pl. 97, No. 93 (Glyptothek 92), text, p. 253.

[47] Treu, *Olympia,* III, pl. XXIX, 2 and 3 and pl. XXXI, 2.

[48] Walters, *Select Bronzes,* pl. XVI.

[49] Caskey, *Catalogue of Sculpture,* No. 17.

[50] Acc. No. 07.286.81.

[51] *Jahrbuch des arch. Inst.,* XXVII, 1912, pls. 6 and 8.

[52] Cf., e.g., *J.H.S.,* 1922, pl. II, 1; Buschor, *Griechische Vasenmalerei,* 1913, p. 180, fig. 132; *A.J.A.,* 1923, p. 278, fig. 15.

Nevertheless it is a mistake to think that the expression of emotion in the face is unknown in the second half of the fifth century; for it would be unnatural for a lesson once learned and tried to be entirely lost. Some of the heads on the Phigaleia frieze (last quarter of the fifth century) are excellent examples. In that of a collapsing Greek[57] (fig. 197), for instance, the suffering is indicated by the contraction of the eyebrows, which form upward loops with the bridge of the nose, and by the bringing of the eyelids closer together. In the dying Amazon[58] (fig. 198) this bringing together of the eyelids and the pronounced curve of the lower lid admirably convey the feeling of faintness. A Centaur whom a Lapith has seized by the hair[59] (fig. 199) plainly shows his physical suffering in his contracted eyebrows and open mouth. In two of the crouching women of the west pediment at Olympia[60] (cf. fig. 200), which are clearly later restorations, probably of the second half of the fifth century (cf. p. 224), the contraction of the eyes and of the mouth, the deep line from the nose downward, and the furrowed forehead effectively indicate sorrow. In some of the Centaur heads of the Parthenon metopes[61] (fig. 192) the wrinkles caused by pain are indicated in an almost exaggerated manner. These and similar examples show that it is a mistake to be too dogmatic about the absence of emotion in Greek sculpture of the second half of the fifth century. We can only say that the facial expression of it is not frequent; but that it nevertheless occupies a distinct place.

But the commonest way for the Greek sculptor to convey emotion was by the attitude of the figure; which would moreover be equally telling near by and at the long distance at which most of the architectural sculpture was seen.

---

[53] Furtwängler, *Masterpieces*, pp. 4 ff.

[54] Bieber, *Die Antiken Skulpturen in Cassel*, pls. I–VIII.

[55] Metropolitan Museum, *Bulletin*, 1912, pp. 47 ff.

[56] Della Seta, *Ausonia*, II, 1907, pp. 3 ff., pls. I–III; Paribeni, *Le Terme di Diocleziano e il Museo Nazionale Romano* (1922), No. 369.

[57] Smith, *Catalogue of Greek Sculpture in the British Museum*, I, No. 542.

[58] *Ibid.*

[59] *Ibid.*, No. 526.

[60] Treu, *Olympia*, III, pl. XXXIV, 1–3.

[61] Smith, *Sculptures of the Parthenon*, pl. 24, 1.

In this rendering of feeling by the pose the Greek artist was undoubtedly helped by the emotional quality of his own people, whose vivid gesticulations could take the place of facial expression. We find him at all periods studying and making use of this means of representation. How suggestive, for instance, of entreaty is the fine group from the Phigaleia frieze of an Amazon asking a Greek warrior for mercy[62] (fig. 201). The raised arm, the upward inclination of the head are as eloquent as any play of features could be. And how effective a rendering of defense is the group, also from the Phigaleia frieze, of an Amazon warding off a Greek warrior[63] (fig. 202). How vividly the feeling of collapse is conveyed in the fallen Centaur[64] (fig. 203) and the sinking Amazon[65] (fig. 204), both from the Phigaleia frieze. There is no need of agonized expressions in the faces, the positions of heads and arms and legs are sufficient in themselves to indicate the sculptor's meaning. And in quieter poses we get the same effects. The "Mourning Athena"[66] (fig. 206) has been so called chiefly on account of the impression conveyed by the pose. In the woman on the Boston relief (fig. 477) sorrow is suggested even more eloquently in her bowed attitude than in the expression of her face. It was in fact the accepted attitude for sorrow and is repeated in other mourners, for instance, in the bronze statuette in Berlin[67] (fig. 211), the marble statues in Berlin[68] (fig. 212), the "Penelope" in the Vatican (fig. 68), the figures on the akroterion in Berlin[69] (fig. 210), and the Penelope on the skyphos in Chiusi.[70] In the New York stele[71] (figs. 205, 426) the love of the little girl for her pigeons is depicted entirely in the action and the inclination of the head, not in the expression of the face.

FOURTH CENTURY

In the fourth century, as we have already seen in our study of the human figure, there is a marked change toward individualism. A soft graciousness now takes the place of the former impersonal ideal.

---

[62] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, No. 537.

[63] *Ibid.,* No. 538. [64] *Ibid.,* No. 527. [65] *Ibid.,* No. 542.

[66] Dickins, *Catalogue of the Acropolis Museum,* No. 695.

[67] Neugebauer, *Antike Bronzestatuetten,* No. 64.

[68] Berlin Museum, *Beschreibung der antiken Skulpturen,* Nos. 498, 499.

[69] No. 1707; *Amtliche Berichte,* XXXII, 1910, pp. 1 ff.

[70] Furtwängler und Reichhold, *Die griechische Vasenmalerei,* III, pl. 142.

[71] Metropolitan Museum, *Bulletin,* 1927, pp. 101–105, figs. 1, 2.

And this is naturally reflected also in the face. In the Hermes of Praxiteles (fig. 170), for instance, there is an expression of dreaminess, of gentleness which though not in itself emotional has a distinctly emotional appeal. The god has become more human, less remote, though still perfectly serene. And this same evanescent charm appears in many male and female heads of this period, for instance, in the athlete in New York[72] (fig. 208), the Chios and Bartlett heads in Boston (figs. 174, 175), and the Goldman head in New York[73] (fig. 207). Feminine grace and delicacy could not find a more perfect expression.

Skopas is generally regarded as the great emotional sculptor of the fourth century; and certainly the heads from Tegea (figs. 690–693) attributed to him convey more ardent feelings than we find in the Praxitelean faces. But we have seen from our previous study that this was not an innovation; only the means of conveying it is new—by a marked projection of the lower part of the forehead, the oblique brows, and the deep-set, upturned eyes creating strong shadows. And though the expression is more intense than in most other contemporary works we can use the term "strong emotion" only relatively. According to more modern conceptions most of the Skopasian works (pp. 267 ff.) still have the Greek serenity and aloofness. We need only place them beside truly emotional sculptures of German Gothic, Italian Renaissance, and modern times to realize the vast difference. And even compared with earlier works some of the sculptures attributable to Skopas can hardly be called emotional. The dying Amazon on the Mausoleum frieze[74] (fig. 209) shows less pain in her face than do her Phigaleian sisters. It is the attitude rather than the facial expression which conveys the sculptor's intention; and this is true of the majority of fourth-century sculpture, just as was the case in the preceding period.

The sculptured gravestones might have been natural outlets for the representation of human feeling; but even here, both during the fifth and fourth century, grief itself is seldom represented. We find in its place an expression of dreamy detachment. The departed are shown as they were while alive, the men as athletes or warriors or horsemen (cf. fig. 215[75]) or students (cf. fig. 213[76]), with their sorrowing families and attendants; the women spinning (cf. fig. 214[77]) or engaged with their toilet or waited on by their handmaids or fondling their children; and the children with their playthings and pet animals—lovely, serene figures, their sorrow merely suggested by a quiet pathos, by the handshakes indicating farewell, and by the occasional mourning attitudes (cf. fig. 495). Only very rarely is death itself represented, as in the stele of Plangon, shown fainting on a couch[78] (fig. 217); or actual grief expressed, as in the weeping siren in Boston[79] (fig. 216, once a finial of a Greek stele), in which the contracted eyebrows and uplifted eyes, the hands tearing the hair and beating the breasts convey acute sorrow. We see how ably the Greek sculptor could, when he wished, express such emotion; and we know also how harassing a whole graveyard of such scenes would have been. The mystery and separation of death cannot adequately or artistically be expressed by such means.

---

[72] Metropolitan Museum, *Bulletin,* 1916, pp. 82 ff.

[73] In the collection of Henry Goldman; cf. *Art in America,* V, 1917, pp. 130–134.

[74] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1014.

[75] Conze, *Attische Grabreliefs,* No. 1158.

[76] At Grottaferrata; Conze, *op. cit.,* No. 622, pl. CXXI.

HELLENISTIC PERIOD

In the Hellenistic period, with the general trend toward realism, it was natural that interest in individual feelings should increase. The complexity of human nature offered a subject full of new possibilities in an age when pure beauty was no longer the aim of the artist; and it became the legitimate, almost exclusive interest of the sculptor to represent the individual human being (occasionally characterized as a god) in the manifold surroundings of his daily life in a direct and realistic manner. We find now representations of a Satyr in the complete abandonment of sleep[80] (fig. 218); a little boy concentrating his whole attention on extracting a thorn from his foot (fig. 75); an old woman going to market with her wares[81] (fig. 219); a drunken old woman hugging her bottle (fig. 74); a little negro child huddled up and asleep beside his wine jar[82] (fig. 220); an old nurse carrying a child[83] (fig. 222); a young negro musician with mobile body and sad, sensitive face (fig. 58); a Satyr playing his pipes and putting his whole soul into his music (fig. 558); a mischievous Eros[84] (fig. 221); a caricature with all the pathos inherent in a clown[85] (fig. 223); a dying Persian[86] (fig. 224); Laokoon in agony of physical pain[87] (figs. 225, 763) ; Ge making supplication for the life of her son.[88] It is a wonderfully varied world of human moods and feelings of which the Greek sculptor now avails himself; and he does it with remarkable understanding, using both the attitudes and the facial expressions to convey his meaning. It is as if, by coming down from his altitude, his sympathies had become enlarged and he could enter more deeply into the life around him. In our estimate of Greek art we must remember this wider region which the Greek sculptor explored at the end of his career, when realism in modeling and conception made him try out every theme and represent it in a thoroughly naturalistic manner. We can surely not call the Laokoon or the Munich Satyr cold classical types; on the contrary they are the predecessors of all later naturalistic conceptions.

---

[77] In Berlin; Conze, *Attische Grabreliefs,* No. 38, pl. XVII.

[78] National Museum, Athens, No. 749.

[79] Caskey, *Catalogue,* No. 44.

[80] Furtwängler, *Beschreibung der Glyptothek,* No. 218.

[81] Metropolitan Museum, *Bulletin,* 1909, pp. 201, 204–206.

[82] Ashmolean Museum; *J.H.S.,* VII, 1886, pl. LXIV, p. 37, No. 9.

[83] Metropolitan Museum, Acc. No. 06.1066.

[84] Metropolitan Museum, Acc. No. 06.1130.

[85] Metropolitan Museum, *Catalogue of Bronzes,* No. 127.

[86] Helbig, *Führer,*^{3} II, No. 1354.

And there is another important field in which the Hellenistic artist distinguished himself—the art of portraiture. On account of his strong idealizing bent the Greek sculptor of the fifth and early fourth centuries had produced portraits with a marked generalizing tendency.[89] The aim had been, in the words of Aristotle,[90] "to reproduce the distinctive features of a man, and at the same time without losing the likeness, to make him handsomer than he is"; that is, to dispense with minor, personal traits and create a type rather than an individual. And works like the bust of Homer in Munich[91] (middle of the fifth century), the bust of Perikles in the British Museum (fig. 624; about 440), and the bearded head by the gem engraver Dexamenos in Boston[92] (fig. 226; third quarter of fifth century) had been the result—splendid conceptions of the general personalities of these men but without a strongly personal element.

This long tradition of generalization is still evident in the portraits of the fourth century—in the bronze Sokrates in Munich[93] (first half; fig. 227), the Maussollos[94] (middle; fig. 228), the heads of Plato[95] and Herodotos,[96] and even in the finely characterized heads of Euripides[97] (fig. 229) and Sophokles[98] (*c.* 340–330; fig. 249). But now the time had come for a more individualistic treatment; for interest in human nature per se had arisen. And so the Hellenistic period becomes the great age of realistic portraiture. Fortunately there are a goodly number of examples preserved from which we can form a fairly adequate idea of such Hellenistic achievements; and not merely Roman copies, as is almost entirely the case in the earlier Greek portraits, but actual originals. Perhaps their greatness lies in the strange combination of the old idealism with a new realism. The Chrysippos[99] (fig. 232) and the so-called Hermarchos[100] (figs. 230, 231) in the Metropolitan Museum, the "Menander" in Lord Melchett's Collection[101] (fig. 233) and "Antiochos III" in Paris,[102] and the heads on the coins (figs. 234–238[103]) and gems[104] of the Hellenistic period are not only typical portraits of Greek thinkers and poets and statesmen, but they have become at the same time vivid character studies of individual human beings. The sculptor gives us a faithful and detailed transcription of the features of a particular man; but like a true artist he also goes over and beyond the external appearance and conveys a comprehensive picture of his sitter's character. In the late Hellenistic period the realism becomes somewhat exaggerated. We can assign to it such powerful works as the head of Homer in Boston[105] (fig. 239) and the bronze head from Delos in Athens[106] (fig. 240). They form the immediate precursors of the Roman Republican portraits; and yet they show in an eloquent way the inherent idealism of even late Greek sculpture compared to the dry realism of the Roman outlook.

---

[87] Amelung, *Die Skulpturen des vaticanischen Museums,* II, No. 74, pl. 20.

[88] Museen zu Berlin, *Altertümer von Pergamon,* III, 2, pl. XII, p. 53.

[89] On the dating of Greek portraits cf. Pfuhl, *Die Anfänge der griechischen Bildniskunst* (1927).

[90] *Poetics* XV. 11.

[91] Furtwängler, *Beschreibung der Glyptothek,* No. 273.

[92] Beazley, *The Lewes House Collection of Ancient Gems,* No. 50.

[93] Furtwängler, *op. cit.,* No. 448.

[94] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1000.

[95] Bernoulli, *Griechische Ikonographie,* II, pl. V.

[96] *Ibid.,* I, pls. XVIII–XIX.

There is another circumstance which adds considerable interest to Hellenistic portraiture—that the sculptor did not confine his characterization to the head but took in the whole figure, and so was able to reveal his sitter's personality not merely in his features but in the attitude of the body. And this he was able to do with peculiar understanding. The "Hermarchos" in the Metropolitan Museum[107] (fig. 241), the Demosthenes (fig. 736), the Poseidippos[108] (fig. 242), and the so-called Menander[109] in the Vatican are eloquent witnesses of Hellenistic achievements along these lines. The manner in which the figures hold and carry themselves is so consistent with their physiognomies that it must be due to the penetrating observation of the sculptor. Unfortunately quite often the statues are fragmentary and we have many separate heads and bodies; even then, however, the pieces retain in a mysterious way the quality of the whole, as is always the case in Greek sculpture, so that even in a headless statue we can get some realization of the character of the man.

---

[97] Bernoulli, *Griechische Ikonographie,* I, p. 152, No. 9.

[98] Studniczka, *J.H.S.,* XLIII, pp. 57–67, and XLIV, pp. 281–285.

[99] Richter, *A.J.A.,* XXIX, 1925, pp. 152 ff.

[100] Metropolitan Museum, *Catalogue of Bronzes,* No. 120.

[101] Burlington Fine Arts Club, *Ancient Greek Art,* 1904, pl. XXV, No. 26.

[102] Arndt in Brunn-Bruckmann, *Griechische und römische Porträts,* No. 103.

[103] In the collection of E. T. Newell in New York.

[104] Furtwängler, *Antike Gemmen,* pls. XXXII and XXXIII.

[105] Caskey, *Catalogue,* No. 55.

[106] Papaspiridi, *Guide du Musée National,* No. 14612.

---

[107] *Catalogue of Bronzes,* No. 120.
[108] Amelung, *Die Skulpturen des vaticanischen Museums,* II, pl. 54, No. 271.
[109] *Ibid.,* No. 390.

CHAPTER VI

DRAPERY

EQUALLY with the beauty of the human form the Greek felt the beauty of drapery; of large and small folds, of the differences of texture, of the composition of surfaces. To its artistic interpretation he devoted the same ability and concentration which he lavished on the study of the human body. In these studies he had a great advantage. The fashions of the day with the loosely hanging instead of closely fitting garments enabled him to watch the rich and varied play of folds of different materials. He did not have to create his opportunities artificially; he had them continuously before him. And not only did the free-hanging dresses assume beautiful folds while the figure was at rest, but they were directly influenced by the action of the body. Every motion, every mood almost of the person was reflected in the drapery. The Greek sculptor realized these possibilities fully, and after many arduous labors succeeded in making the drapery as eloquent a means of expression of the human spirit as the figure itself. It is interesting to observe the various phases through which the Greek artist passed in his efforts at artistic representation, corresponding closely to the different stages of development in the modeling of the human figure.

(*a*) *Greek Dress*

BEFORE studying the Greek sculptor's rendering of these draperies it may help to review briefly the chief garments in use among the Greeks;[1] so that we may recognize them when we see them, and understand their structure.

The chief garments of the man were the chiton, the himation, and the chlamys.

---

[1] This account is not meant to be exhaustive but merely a brief statement. For a study of Greek dress the reader is referred to Heuzey, *Histoire du costume antique,* Paris, 1922; Abrahams, *Greek Dress,* 1908; Bieber, *Griechische Kleidung,* 1928; and the essays on the subject by Studniczka, *Beiträge zur Geschichte der altgriechischen Tracht;* Bieber, *Der Chiton der ephesischen Amazonen, Jahrbuch,* 1918, pp. 49 ff.; Kalkmann, *Zur Tracht archaischer Gewandfiguren, Jahrbuch,* 1896, pp. 19 ff.; Barker, "Domestic Costumes of the Athenian Woman in the Fifth and Fourth Centuries B.C.," *A.J.A.,* XXVI, 1922, pp. 410 ff.; Daremberg and Saglio, *Dictionnaire,* under *Tunica, Peplos, Pallium;* Pauly-Wissowa, *Realencyclopädie,* under *χιτών, ἱμάτιον.*

1. The chiton was a tunic of soft linen or of wool. It was made either of one oblong cloth, at first rather narrow, later considerably wider, folded on one side and sewn on the other; or of two rectangular pieces sewn on both sides. At the top it was either pinned or sewn over the shoulders to form the sleeves. In the archaic period the openings for the arms were regularly on the sides (fig. 243), in classical times generally along the upper edge[2] (fig. 244 on p. 89), a change which made for a more beautiful fall of folds. The chiton could be worn short (fig. 245) or long (fig. 285). It generally appears with a belt (fig. 246) over which the garment was pulled to form a pouch (*kolpos*); and sometimes an overfold (*diploidion*) was introduced at the top; and now and then a second belt was worn over the pouch. Cords were occasionally placed across the back and the shoulders to keep the garment in place, especially when it was long (fig. 285). Belts, pins, cords, overfold, all helped to create a variety of folds.

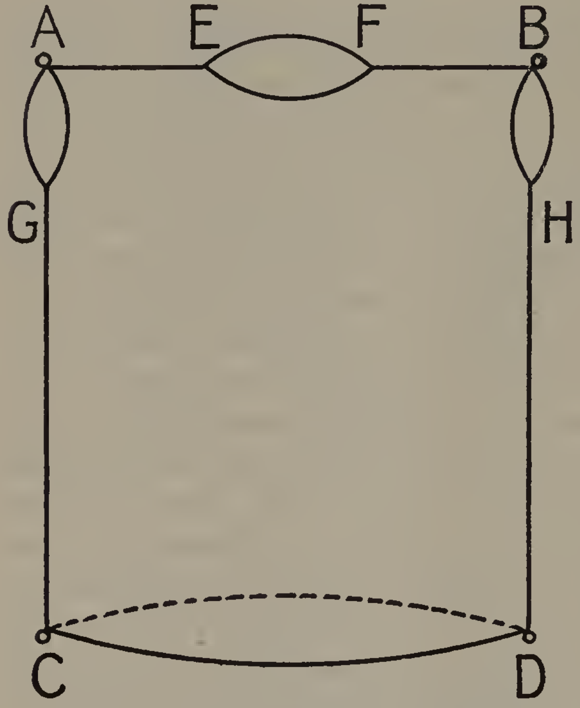


Fig. 243. Archaic chiton with sleeve-openings on sides

A variant of this tunic is the so-called χιτὼν ἐξωμίς (*exomis*) fastened with a brooch on one shoulder only, worn likewise with a belt, but consisting merely of a rectangular cloth, not sewn, or only rarely so. As an example we may cite a rider from the Parthenon frieze in the British Museum[3] (fig. 247).

2. The himation, or the mantle, was a large rectangular piece of cloth (fig. 248[4]) about seven or eight feet long and in width about equal to the wearer's height. It was wrapped around the body in every conceivable way to suit the needs and fancy of the wearer.

---

[2] This important point is clearly brought out by Bieber, *Der Chiton der ephesischen Amazonen, Jahrbuch,* 1918, pp. 49 ff.

[3] Smith, *Sculptures of the Parthenon,* pl. 66.

[4] From a kylix in Berlin.

The artistic arrangement of its folds thus became a great opportunity and delight to the artist.

How much the many beautiful compositions in Greek sculpture are due to the interpretation of the artist rather than to direct copying of nature can be seen when we compare the statue of Sophokles in the Lateran[5] (fig. 249) with living models similarly draped (fig. 250). The drapery of the Sophokles is a harmonious composition, with the plain and the bunched surfaces consciously correlated. The actual model, in spite of every effort to imitate the happy effect of the statue, has no artistic appeal. How clumsy, for instance, are the folds below the right knee, interrupting the long sweep of the outline of the leg; and how dull the large expanse of smooth surface on the lower portion, relieved in the original by contrasting shadows; how much difference it makes when the lower edge of the drapery forms a strongly oblique instead of a quasi-horizontal line!

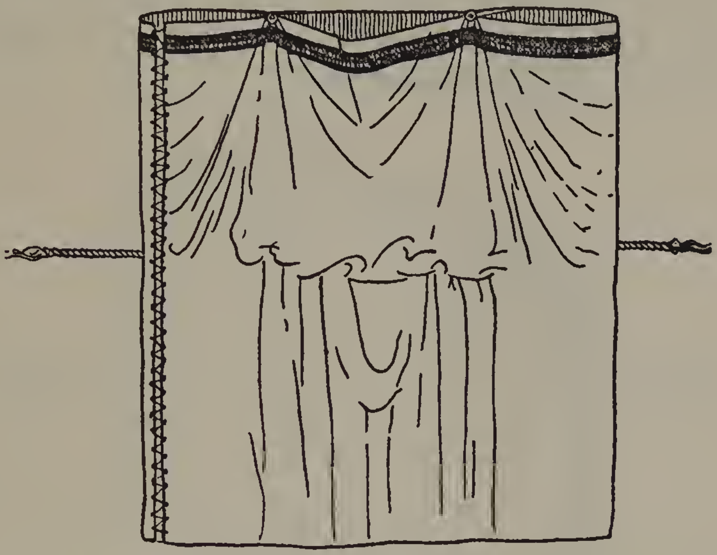


Fig. 244. Classical chiton with sleeve-openings on upper edge

3. The chlamys was the short cloak worn as a wrap when the large himation would be in the way, for instance while hunting or riding (fig. 251). It too was probably rectangular, and it was fastened round the neck by a brooch or button, the loose ends falling down to form zigzag edges (fig. 253); the dimensions were probably about six to seven feet long by three and one-half feet wide. Weights were often attached at the corners to keep the garment in

---

[5] Helbig, *Führer*,[3] II, No. 1180.

place, as was the case also with the himation. Again, simple though the arrangement is, we can see by comparing a Greek drawing (fig. 251) with a draped model (fig. 252) how much the artist contributed to the aesthetic effect. A slight change in the zigzag edge on the model and the different attitude of the left arm have made all the difference.

The women's dresses were similar to those of the men; that is, they were also rectangular pieces of cloth loosely worn and beautifully draped. The favorite forms were the chiton and the himation; rarely we find an additional short cloak.

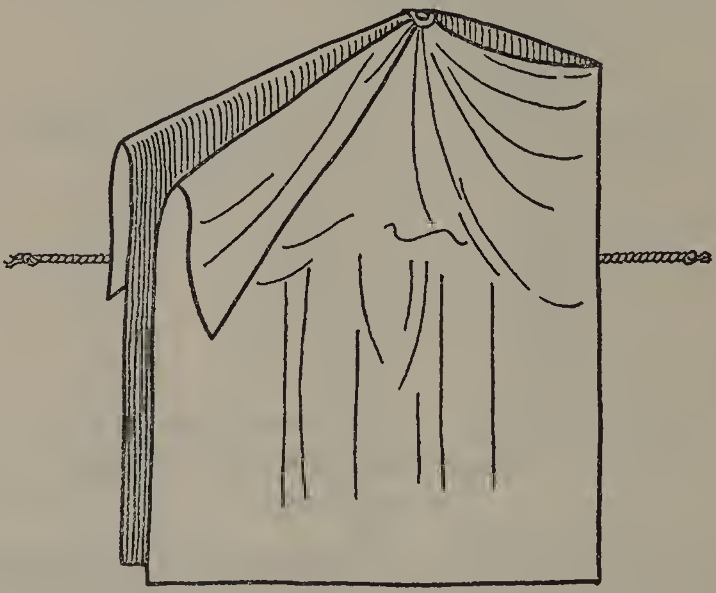


Fig. 253. Chlamys

1. Of the chiton there were two varieties, the Ionic one, regularly closed on both sides and sewn, buttoned, or pinned with brooches at the top of the sleeves[6] (fig. 254); and the Doric one, often open on one side and regularly fastened over each shoulder with a brooch, button, or long pin[7] (fig. 255). The width of an Ionic chiton is given by Plato[8] as three meters (seven Attic cubits). A Doric chiton must have been even wider. The length naturally depended on the wearer's height; the Ionic garment was worn long and was made of soft linen, while the Doric one was made of wool and reached generally to the ankles only. One created a large number of crinkly[9] folds, the other fewer, massive ones. The wearing of

---

[6] For the openings of the sleeves, cf. p. 88 (under the man's chiton).

[7] Langlotz, *Fruehgriechische Bildhauerschulen*, pl. 16a.

[8] *Letters* XIII. 363a.

[9] Whether these crinkly folds were at least partially due to an artificial pleating

the belts, pins, and overfolds again helped to introduce the needed diversity.

2. The himation was similar to that worn by the men and was used as an outside wrap over the chiton. It was often pulled up to cover the head to take the place of a hat (fig. 256[10]) in the manner that an Italian or Greek woman of today would use her shawl when going out of doors. Occasionally it was fastened on the shoulder with a pin.[11] A more complicated variant of this simple garment is the "Ionic" himation worn by the Akropolis Maidens (cf. figs. 270–272, 544). This too seems to have been a long, rectangular piece of material, doubled to make an overfold, but it was regularly worn under the left arm and over the right shoulder where it was fastened by brooches or buttons, the spare material hanging loosely down. Its vertical pleats were apparently kept in place by a belt put over the right shoulder and under the left arm over which the himation was pulled up a little. The lower part was generally pulled tightly to one side and was decorated with a vertical stripe.

3. The short cloak was not nearly so common with women as with men; probably because they did not indulge so much in violent exercise, like hunting or riding, when the long coat would be an encumbrance. It occurs occasionally as an extra wrap worn over the chiton and himation like a shawl or stole, perhaps on cold days (cf. fig. 257).

In addition to these loosely hanging garments we sometimes encounter sewn dresses of a similar appearance to our own; for instance, the embroidered sleeveless jacket on a vase by the Meidias painter in New York[12] (fig. 309) and the sleeved coat on a relief in Broom Hall[13] (fig. 258). In these, tubelike sleeves are sewn to the openings on the sides of the garment.[14] But such cases are few, except for Amazons, Persians, and other "barbarians" whose regular apparel consisted of sleeved and trousered garments (fig. 259[15]).

We must imagine these garments dyed in various colors, brilliant

---

of the material, such as our "accordion pleating," or were wholly the result of the stylization of the artist is still a moot question.

[10] Metropolitan Museum, Acc. No. 23.73.3.

[11] E.g., on the fragment of a red-figured krater in the British Museum, No. E493.

[12] Metropolitan Museum, *Handbook* (1930), p. 155, fig. 106.

[13] Conze, *Die attischen Grabreliefs*, pl. CLVI, No. 819. Cf. also the instances figured by Bieber, *Griechische Kleidung*, fig. 8a and pls. XIV, 1–2; XXI, 1.

[14] Bieber, *op. cit.*, p. 16.

[15] Metropolitan Museum, Acc. No. 06.1021.189.

reds, browns, blues, yellows, greens, purples,[16] or plain white; occasionally with little ornaments all over the surface; and generally decorated with colored or embroidered bands. These bands—which add greatly to the artistic effect of the whole, as any practical experiment will show—generally appear only on the short sides, sometimes on one of the long sides also; not on all four sides, for the obvious reason that the composition would have lost by this excess.

The two chief materials used by the Greeks were linen and wool.[17] There is no mention of silk before the time of Aristotle,[18] but there is some evidence that it was adopted by the Greeks during the fifth century B.C. (cf. p. 100). It was known in China long before that (about 3000 B.C.). Cotton garments were worn in India and Egypt[19] but there is no evidence of their use in Greece before Roman times.

(*b*) *The Rendering of Drapery*

WE have seen how much the Greek artist with his instinct for composition improved on the arrangement of drapery in nature. Besides his sense for harmonious design he had the realization of two other essential requirements: that in art drapery must not hide the body beneath it; and that the folds must always clearly interconnect, so that the construction of the whole may be convincing. The female statue from Herculaneum[20] (fig. 260), wearing a thick Doric chiton with overfold, well illustrates the first quality. In the similarly draped living model (fig. 261) the outlines of the legs and breasts are completely concealed by the heavy material; and we quickly realize how much of the artistic effect is lost thereby. It is evident that art must not merely copy nature, but transform it.

The clear construction of the drapery in Greek sculpture is another source of genuine artistic enjoyment. In the many compositions of Greek drapery there is never any confusion; we do not wonder where one fold comes from or what becomes of another; the whole is convincing and logical. In nature that is not always so; one part of the garment often hides another in such a way that the interconnection is not apparent. How much more clearly, for instance, do we feel in the Sophokles statue (fig. 249) that the drapery enveloping the arms is part and parcel of the himation than we do in the corresponding living model (fig. 250). In the model we know that the upper shawl-like effect belongs to the himation and the cascade from the left arm is one end of it; but if it were an unfamiliar garment we might think that the lower part was a separate tight skirt and that a towel was hanging over the left arm. In the statue such doubts are impossible; each part of the mantle passes so unmistakably into the adjoining portion and connects with it that we feel the drapery as a whole, as a unit.

---

[16] That Greek garments were brilliantly colored is attested by their appearing so in terracotta statuettes and marble sculptures of all periods, and on the white lekythoi of the fifth century B.C.

[17] Blümner, *Gewerbe und Künste*, 2d ed., I, pp. 106 ff., 191 ff.

[18] Aristotle, *Hist. anim.* V. 19; Pliny, *N.H.* XI. 26–28. On the origin and use of silk, cf. Besnier, in Daremberg and Saglio, *Dictionnaire,* under *Sericum;* Blümner, *op. cit.,* p. 201; Richter, *Silk in Greece, A.J.A.,* XXXIII, 1929, pp. 27 ff.

[19] Herodotos III. 47 and 106; Pollux VII. 75; Theophrastus, *Historia plant.* IV. 7.7. Cf. on this subject Blümner, *op. cit.,* pp. 199–200.

[20] Comparetti and de Petra, *La Villa ercolanese,* pl. XIV, 3.

With these general characteristics of Greek drapery in mind let us now watch the course of its development.

SEVENTH TO SIXTH CENTURY

An early stage is shown in the Nikandre in Athens[21] (fig. 263) and the Auxerre statue in the Louvre[22] (fig. 262), both still of the seventh century B.C. None of the essential requirements are as yet met. The treatment is flat, there is no attempt to render folds, only decorative borders; and there is practically no feeling for the body beneath. Drapery merely acts as a covering and has no independent life. The superb standing maiden in Berlin[23] (*c.* 580–570; figs. 267–269) and the Chares statue from Miletos[24] (*c.* 550–540; fig. 264) mark a step in advance. The artist has here tried to show two garments, one over the other, each with its own composition of folds. The folds have as yet little depth, for the sculptor is still too timid to hew deeply into his stone; but the essentials of the construction of the long chiton and of the himation are understood and clearly rendered. And in each case the decorative feeling of the artist has produced a beautiful design. The same is true of the garments on the sculptured drums of Ephesos[25] (*c.* 550–530; figs. 265, 266).

We can trace a steady development in the rendering of drapery in the Athenian Maidens of the second half of the sixth century

---

[21] National Museum, Athens, No. 1.

[22] *Revue archéologique*, 1908, pl. 10.

[23] Wiegand, *Berliner Museen*, 1926, pp. 17 ff.; *Die Antike*, II, pp. 30 ff.

[24] Pryce, *Catalogue of Sculpture in the British Museum*, I, 1, No. B 278.

[25] *Ibid.*, B 90, 91, 119, 121; Pryce assigns only B 90 to the period of Kroisos and of the dedicatory inscription, and B 91, 119, 121 to a somewhat later date; B 119 has affinities with the Siphnian frieze.

(figs. 270–273,[26] 274[27]). Gradually the archaic artist developed a series of fixed conventions to represent the different folds and textures of garments.[28] He had recourse to a highly decorative treatment instead of the naturalistic one which was beyond his scope. The pleasing effects that he obtained demonstrate once again how independent art is of naturalistic correctness. To indicate the soft crinkly material of the linen chiton he used a series of straight, or, more commonly, wavy ridges or incisions, running vertically if the drapery hung down loosely, obliquely and curving if directed sidewise. The heavier folds of the himation were indicated by straight, deep grooves or ridges rather more widely spaced, often with zigzag edges. By these means the archaic artist was able to cope with the difficult problem of representing the complicated garments of his time. The sleeved chitons and the full mantles with overfolds, borders, and little ornaments, worn over one shoulder and under the other, and generally so long that they had to be held up on one side, constituted such a mass of folds going in different directions that it was hard to simplify and to keep to the important elements. The Greek sculptor succeeded, in spite of his comparative inexperience, by his decorative sense, which enabled him to create a highly artistic design, as well as by his feeling for structure, by which he connected every fold with its neighbor, so that each had a meaning, a start and a finish, and helped to form a correlated whole.

Toward the end of the century a great change takes place. The drapery, though lying as before close against the body, begins to acquire a separate entity. We now feel that it is completely separate, that it can be taken on and off at will, and moreover that it has a life and swing of its own. We notice it best in reliefs where action is portrayed, for instance in the mounting charioteer[29] (fig. 275) and the Hermes[30] (fig. 276) in the Akropolis Museum, and in the metopes from the Athenian Treasury in Delphi[31] (figs. 407, 408). The old conventions of zigzag, radiating, and wavy grooves are still adhered to; but the direction of the folds is carefully studied in regard to the function they perform; so that they become more expressive of the action of the body. How convincingly, for instance, the mantle of the charioteer (fig. 275) clings to the back, is bunched over the upper arms, and where it hangs down is influenced partly by its own weight and partly by the movement of the body! The bronze statuette of Nike in London (fig. 83) is another beautiful instance of drapery expressive of the movement of the figure.

---

[26] In the Akropolis Museum, Athens, Nos. 679, 680, 674, 681.

[27] Metropolitan Museum, *Bulletin,* 1908, pp. 4 ff.

[28] Some of these conventions are borrowed from earlier arts, e.g., the wavy lines for the folds of the soft chiton occur also in Chaldaean and Assyrian sculpture.

[29] Dickins, *Catalogue,* No. 1342.

[30] *Ibid.,* No. 1343.

[31] Homolle, *Fouilles de Delphes,* IV, pls. XXXVII–XL.

For the archaic conventions adopted by the Greek sculptor in his rendering of drapery we find interesting parallels on contemporary vases; they follow the development step by step, and are therefore often useful evidence for dating.[32] On the vase-paintings of the first half and the middle of the sixth century (cf. fig. 277[33]) the garment completely hides the figure, as it does in the early sculpture, for the artist has not learned to differentiate between body and drapery or to give each its significance; individual folds are either not indicated or only a few of the most important are shown, and they are composed in an effective way. In other words, these vases show the same stage of development as the Auxerre and Miletos statues (figs. 262, 264). In the later black-figured and earliest red-figured vases (cf. fig. 278[34]) a conventional treatment has been developed similar to that in the more advanced Maidens: fine, wavy lines for the chiton folds and straight, more widely spaced lines for those of the himation; a wavy line in two tiers for the bottom edge of the chiton; zigzag lines for the edges of the himation; the small, wavy, radiating lines for the folds caused by the brooches or buttons in the sleeves. At the end of the sixth and the beginning of the fifth century the draperies on the vase-paintings show the same life and individuality that we noted in the sculpture. We may compare, for instance, the relief of the mounting charioteer (fig. 275) with the vase by Pasiades (510–500) in the British Museum[35] (fig. 280). The mantles worn like shawls over the shoulder have similar bunched folds, and there is the same suggestive treatment of drapery in motion by means of closely spaced oblique lines with zigzag edges. Sometimes there are similar individualistic renderings in sculpture and vase-paintings; for instance, the peculiar wavy line for the folds of the mantles in one of the statue bases recently found in Athens[36]

---

[32] On this subject, cf. Langlotz, *Zur Zeitbestimmung der strengrotfigurigen Vasenmalerei und Plastik,* and von Lücken, *Archaische griechische Vasenmalerei und Plastik, Ath. Mitt.,* 1919, pp. 47 ff., pls. I–VI.

[33] Metropolitan Museum, Acc. No. 17.230.14.

[34] Metropolitan Museum, Acc. No. 06.1021.47.

[35] No. B 668; Hoppin, *Handbook,* II, 331.

[36] Della Seta, *Dedalo,* III, 1922–1923, pp. 207 ff.; cf. also list of references to other publications given in *Arch. Anz.,* 1922, p. 56, note 1.

(fig. 283), which occurs in identical fashion on the paintings by Euthymides (fig. 279[37]); and the radiating folds of the chiton sleeves in the Amazon of the Athenian Treasury,[38] the Athena of the Eretria pediment[39] (fig. 281), and the draperies by Peithinos (fig. 282),[40] Sosias, and others.[41]

First Half of Fifth Century

The first half of the fifth century is a period of great development in drapery as it is in every phase of Greek art. There is a gradual increase in naturalism, but always joined to the old decorative sense. The folds no longer fall with monotonous regularity according to an accepted scheme; they vary their direction just as they do in nature, but underlying their arrangement is the conscious composition of the artist. This combination produces singularly happy results. The mantle of Theseus in the Eretria pediment[42] (fig. 284), with its studied and yet natural arrangement, the similar mantle on the Aristogeiton in Naples[43] (fig. 573), the draperies of the Berlin seated goddess[44] (fig. 65), all show in a happy way this combination of the old decorative tendency with the new feeling for naturalism. The mourning woman on the Boston relief (fig. 477) with the beautiful interrelation of its various parts, of smooth and worked surfaces, is another striking example. The thin texture of the chiton, the heavier one of the mantle, are successfully conveyed, the folds where they hang loose or are pulled tight are convincing, and yet the composition is by no means the fortuitous one of nature; it has the design quality of an artist with a highly decorative sense; the same definite scheme is behind it which we feel in the statues of the human figure of this period. The union of these two elements of naturalism and design produces also the "architectural" draperies of this period—those of the Delphi Charioteer[45] (fig. 285), of the Herculaneum Dancers (figs. 260, 497), of the Athena of the Olympia metope[46] (fig. 319), and of the terracotta fragment in New York[47] (fig. 286). In these the fine simplicity of the folds, hanging down like flutings of a column, give the whole a feeling of grandeur and stability; but the simplicity is never monotonous, for the scheme is infinitely various; only the variety is concealed by not being accentuated. At first sight the vertical folds of the chiton of the Delphi Charioteer (fig. 285) or the horizontal folds on the sleeves all look alike, but if we look closer we shall find every one different; the under edge appears at first perfectly horizontal; but in reality it makes a distinct curve. This quality of creating an appearance of simplicity but enlivening it with an undercurrent of richness and variety is one that underlies all Greek art. It is the product of a mind with a rich imagination controlled by taste, one that can combine simplicity with subtlety.

---

[37] Hoppin, *Handbook*, I, p. 435.

[38] *Fouilles de Delphes,* IV, pl. XL.

[39] *Antike Denkmäler,* III, pl. 29.

[40] Berlin, No. 2279; Hoppin, *op. cit.,* II, p. 335.

[41] Cf. Langlotz, *Zur Zeitbestimmung der strengrotfigurigen Vasenmalerei und Plastik,* pp. 72, 73.

[42] *Antike Denkmäler,* III, pls. 27, 28. It has been variously placed at the beginning of the fifth and the end of the sixth century; it probably belongs to the last decade of the sixth, to judge by the rendering of the face.

[43] Ruesch, *Guida del Museo Nazionale di Napoli,* No. 104 (6010).

[44] *Antike Denkmäler,* III, pls. 37 ff.

[45] Homolle, *Fouilles de Delphes,* IV, pls. XLIX–L.

[46] Treu, *Olympia,* III, pl. XLIII, 12.

[47] Metropolitan Museum, *Handbook* (1930), p. 111, fig. 73.

The vases of the period reflect the same progress in knowledge and conception. The draperies of Makron, of the Brygos painter, of the Pan painter show a new life, a new stir and swish in the garments, tempered by a strong stylistic quality. How expressive are the turbulent chitons in the Maenad dance by Makron in the Berlin Museum[48] (fig. 287), how much they help to convey the ecstasy of the wild maidens, and yet how restrained and harmonious is the design as a whole! And in the Makron cup in the Metropolitan Museum[49] (fig. 288) how convincingly the folds of the girl's chiton follow the action of the knee and then hang loosely and quietly down; and how much they contribute to the harmonious composition! Again in the krater by the Pan painter in Boston[50] what a splendid design is formed by the chlamys of Aktaion and how we feel the lower part of Artemis' chiton waving to and fro as she steps back to send her deadly arrow! Drapery has indeed become by now as eloquent a means of expressing the action and emotion of a scene as the human figure. And examination shows many parallels in details of renderings in sculpture and vase-painting; for instance, the similar designs for the mantles on the Theseus of Eretria (fig. 284) and on the Douris vases (cf. fig. 290 on p. 98) with the fine broad folds arranged in two directions; or the beautiful transparent folds of the chitons of the Ludovisi Hora[51] (fig. 289) and the Makron hetaira (fig. 288).

SECOND HALF OF FIFTH CENTURY

The treatment of the drapery in the second half of the fifth century is the logical sequence of that in the first half. But changes are now rapid. The trend toward naturalism gains ground quickly and the design quality, though still strong, becomes less obvious. In the figures of the Parthenon frieze (*c.* 442–438) though there is a marked retention of the old severity, the new spirit begins clearly to show itself. Folds have greatly multiplied and they go in many different directions. Nevertheless we feel throughout the conscious composition of the artist in the distribution of light and shade, caused by the variety of volume in the folds. Thus in the "herald" of the slab in the Louvre (fig. 291) we have first the bare chest, then the deep folds on the left shoulder and round the waist, then the relieving flat surface of the right leg contrasting with the folds hanging down his left side. In the maidens marching in procession[52] (fig. 291) we note the same love for contrasting surfaces and the same device of putting one leg slightly forward and drawing the drapery tightly over it with only a few ridges to show the presence of the garments. This distribution of light and shade besides forming a pleasing design supplies the chief structural accents at a distance, and greatly helps the understanding of the whole.

---

[48] Berlin Museum, No. 2290.

[49] Acc. No. 12.231.1.

[50] Furtwängler und Reichhold, *Die griechische Vasenmalerei,* pl. 115.

[51] Helbig, *Führer,*^{3} II, No. 1286.

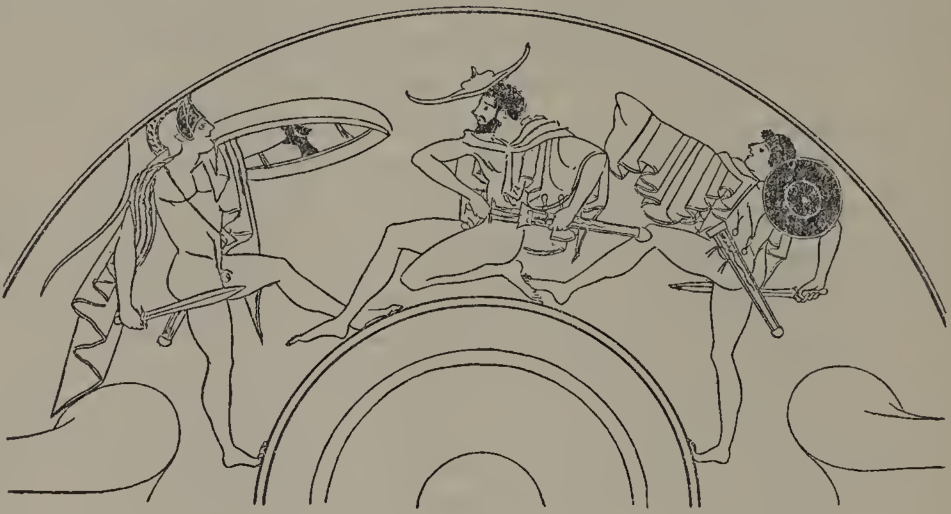


Fig. 290. Detail of a kylix
Museum of Fine Arts, Boston

In the Parthenon pediment figures (*c.* 437–432; cf. figs. 69, 91, 292) the development toward naturalism has made distinct strides and we note another important change. The sculptor finally has courage to hew deeply into his marble; the adherence to flat surfaces dear to the archaic artist is entirely given up, and folds, even those of the chiton, once shown by incised wavy lines, are often an inch or two deep; while the heavy folds of the mantles have a volume of four inches or more. In the Iris (fig. 91) the direction of the folds conveys not only the rapid flight of the figure but the action of the wind blowing through it. But in spite of the increased realism the feeling for design is still strong and shows itself in the composition of the drapery. In the reclining "Fate"[53] (fig. 292), for instance, we begin with the bare neck and right shoulder, then comes the variegated surface of the chiton lying on the breast, then the strong shadows of the folds formed by the double thickness of the chiton bunched over the belt; then again a comparative rest where the chiton lies close over the body below the waist; then the dramatic effect of the heavy himation with its many folds of great volume placed over the upper part of the legs; and finally the smoother part of the himation lying more or less foldless over the knees and lower part of the legs. The effect of the whole is suggestive of the rhythmic movement of waves. This conscious arrangement is a translation of the confusion of nature into an artistic composition.

---

[52] Smith, *Sculptures of the Parthenon,* pls. 39, 55.

Another characteristic of the drapery of this period is the increase in its transparency. The forms of the body beneath it show through much more clearly than before, though the garment always retains its separate entity.

We note the same qualities in the drapery of contemporary monuments—the group of watching deities of the "Theseion"[54] (fig. 293) so reminiscent of the seated figures in the Parthenon pediment, and the stele of a seated woman in New York[55] (fig. 294). We have here the same naturalistic effect combined with conscious composition, the same pleasant interrelation of contrasting lights and shadows, the same treatment of the drapery as a separate entity in spite of the increased softness.

It should be noted that the edges of draperies of the second half of the fifth century sometimes show a border of short transverse grooves (cf. figs. 4, 356), apparently to represent the selvage of the fabric, since this treatment occurs always on opposite, not adjoining edges.

By the last quarter of the fifth century another characteristic style is developed—that of making the drapery, particularly the

---

[53] Smith, *Sculptures of the Parthenon*, pl. 5.

[54] In situ in Athens; Sauer, *Das sogenannte Theseion*, pl. III.

[55] Metropolitan Museum, *Handbook* (1930), p. 249, fig. 173.

Ionic chiton, very transparent, of minimizing its presence and letting the body appear clearly through it. It is an accentuation of a tendency which we noted as a characteristic of Greek art in general, which became more marked in the period immediately preceding this one, and which now attains its climax. It is of course possible, indeed probable, that these transparent garments are intended to reproduce very thin materials which may have come into use at this time, that they represent in fact the διαφανῆ χιτώνια referred to in Aristophanes' *Lysistrata*, l. 48, and the χιτώνια ἀμόργινα which "make women appear naked" (l. 150). Possibly they were of silk,[56] for this material is mentioned in Greek literature not long afterwards (Aristotle, *Hist. anim.* V. 19), and silk garments are often described as transparent in Roman literature. That the beautiful folds created by silk should have appealed to the Greek artist and have suggested the clinging draperies of this period would be only natural. But though temporary fashion may have influenced the rendering of drapery at this period the sculptor clearly did not merely copy nature. In the Nike adjusting her sandal (fig. 504) the legs could never in reality show so clearly through two layers of material—the chiton and the himation. As in archaic art it is not realism that is aimed at, but artistic effect.

Joined to this transparency we note another characteristic feature in the drapery of this period: the decorative use of sweeping folds—generally of the himatia—blown around the figure. The deep, broad channels creating dark shadows supply what is lacking in the comparatively smooth treatment of the body and produce the needed contrast.

The combination of these two styles is characteristic of practically all the monuments of the late fifth century. The "balustrade" of the Nike temple, datable about 410, furnishes striking examples. We have already cited the Nike adjusting her sandal[57] (fig. 504), where the contrast between the practically nude body and the deep shadows of the surrounding drapery is very striking. The Nike with the bull[58] (cf. fig. 506) shows this transparency combined with turbulent, highly decorative effects. Folds of great volume running in different directions are massed between the legs and form a variegated, dramatic background. It is a beautiful combination of stateliness and turmoil. The Karyatids of the Erechtheion[59] (fig. 502), dated between 421 and 413, show the same transparent drapery where it is laid against the left leg or over the breasts; at first sight we are not sure whether the upper part of the left leg is not bare—a doubt which would be impossible in the Parthenon figures. Moreover, in the breasts of the Karyatids the contours are distinctly visible through the drapery while in the Parthenon only their general shape is recognizable. The lovely but scanty fragments of the frieze of the Erechtheion[60] (409–408) are similar in style. In the group of the woman and child[61] (fig. 296) the folds of the drapery are practically confined to the surfaces surrounding the legs, while the legs appear almost nude. The Nike of Paionios in Olympia[62] (figs. 637, 638) was dedicated, according to the inscription, by the Messenians and Naupaktians to Zeus with a tithe of the spoils taken from their enemies. The campaign referred to is most easily identified as that of Sphakteria, 425, which would place the statue round 420. It brings out strikingly the characteristics we are analyzing. The transparency of the drapery over the portions of the body which it covers is so great that it does not affect the forms at all. The draped right leg is modeled as carefully as the bare left one and its contours show as distinctly. The presence of the drapery is only recognizable by the occasional ridges introduced to indicate the folds. To counteract the resultant flat effect the drapery is shown blowing behind in deep, restless folds creating strong shadows.

---

[56] On this subject, cf. Richter, *A.J.A.*, XXXIII, 1929, pp. 27 ff.

[57] Casson, *Catalogue of the Acropolis Museum*, II, pp. 156 f., No. 12.

[58] *Ibid.*, p. 155, No. 11.

In the frieze of the Athena Nike temple—built probably about 426[63]—we have on the one hand quiet standing figures[64] (fig. 297) in which one leg though completely draped is carefully modeled with both contours showing—very different from the Parthenon treatment, where only the outer outline shows and the inner is lost through the covering drapery, and very similar to the Erechtheion Karyatids[65] (fig. 502); we have on the other hand a violent battle scene[66] (fig. 295) in which the draperies of the contestants are blown right and left in turbulent masses of considerable volume, a device which greatly adds to the stir and tumult of the contest. The fragmentary sculptures of the Argive Heraion[67] (about 420) contain several beautiful examples of transparent, clinging drapery.

---

[59] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, No. 407; Stevens-Caskey-Fowler-Paton, *The Erechtheum,* pls. XXXVIII, XXXIX, pp. 232 ff.

[60] Stevens, etc., *op. cit.,* pp. 239 ff., pls. XL ff.

[61] Casson, *Catalogue of the Acropolis Museum,* II, p. 181, No. 1075.

[62] Treu, *Olympia,* III, pls. XLVI–XLVIII.

[63] Anderson-Spiers-Dinsmoor, *The Architecture of Ancient Greece* (1927), p. 126.

[64] In situ in Athens; cf. Blümel, *Fries des Tempels der Athena Nike,* pls. I–III, 10–12.

[65] C. Blümel in his *Fries des Tempels der Athena Nike* ignores this important characteristic in his attempt to associate these figures more nearly with the Parthenon frieze.

We learn from Pausanias[68] that the Phigaleia temple was built by Iktinos, the architect of the Parthenon, and dedicated to Apollo Epikourios, "the Succorer" "for the help he gave in time of plague . . . at the time of the war between the Peloponnesians and Athenians." The date has been disputed. Those who accept Pausanias' statement hold that the most probable time is during the peace of Nikias which began in 421; for we are expressly told by Thucydides[69] that the plague which devastated Athens in 430 scarcely touched the Peloponnese; moreover, it is hardly probable that an Athenian architect should have been employed to build a temple in the Peloponnese while hostilities were actually going on between the two countries. The style of the sculptures, both of the frieze (cf. figs. 298[70] and 299[71]) and the metopes (figs. 300[72] and 301[73]), points to a date about 420.[74] The drapery in particular shows the characteristics we have noted in the sculptures of this period—the peculiar transparent quality with the contours of the bodies clearly shown and only occasional ridges to indicate the presence of the garments, and the decorative splashes against the background. Moreover, some figures bear a striking similarity to other late fifth-century reliefs; for instance, the Lapith woman on figure 299 to the Nike and bull from the "balustrade" (fig. 506). Taken as a whole, however, the composition in the Phigaleia frieze is wilder, more turbulent than that in the other monuments, reflecting the wildness of the Arkadian mountains in the tumult and agitation of the draperies.

The Nereids of the Nereid monument[75] (cf. figs. 302–304) show the same characteristics we have been discussing, in an advanced form. The thin Ionic chiton of one is indicated by a few ridges only, and interferes little with the modeling of the body, and even the woolen Doric chiton of the other shows the forms distinctly; as soon as the draperies are separate from the figures they become deep, restless folds, while the mantles held up behind (fig. 303) form sweeping masses. The treatment is a *tour de force* in the art of sculpture and forms the climax of this style. Stylistically, therefore, this monument is best dated at the very end of the fifth century.

---

[66] Smith, *Catalogue of Greek Sculpture in the British Museum*, I, No. 422.

[67] Waldstein, *The Argive Heraeum*, I, pls. XXXV, XXXVII.

[68] VIII. 41. 5.

[69] II. 54.

[70] Smith, *op. cit.*, I, No. 531.

[71] *Ibid.*, No. 530.

[72] *Ibid.*, No. 512.

[73] *Ibid.*, No. 517.

[74] Dinsmoor, who would place the temple earlier (about 450; Anderson-Spiers-Dinsmoor, *The Architecture of Ancient Greece* [1927], p. 112) on account of architectural evidence, holds that the upper part including the sculptures was added later (see his forthcoming book, *Periclean Architects*).

[75] Smith, *op. cit.*, II, No. 909.

The lovely seated figure on a didrachm of Terina of about 420–400[76] (fig. 310) has a clinging chiton through which the whole contour of the leg is visible. The record reliefs from Eleusis[77] and in the Louvre,[78] dated by their inscriptions in 420 and 410 respectively, show similar renderings. The Palatine Nike [79] (fig. 305), the grave reliefs of Hegeso[80] (fig. 429) and Glykylla[81] (fig. 306), the Medea relief in the Lateran[82] (fig. 308), and the "Venus Genetrix" in Paris[83] are all stylistically related to the monuments we have discussed.

The difference in the treatment of drapery between the third and the last quarter of the fifth century is apparent also in vase-painting. We need only compare the works of the Boston Phiale painter or the Achilles painter (contemporary with the sculptures of the Parthenon) with those of Meidias and Aristophanes (allied to the artists of the Nike "balustrade" and the Nereid monument) to appreciate the change. In the earlier works the drapery still has a monumental quality, and it retains its separate entity and independence; as in the beautiful Amymone by the Boston Phiale painter in the Metropolitan Museum[84] (fig. 307), who bears a marked resemblance to the Iris of the Parthenon (fig. 91). In the later paintings the drapery clings closely to the body with multitudinous little folds clearly revealing the forms beneath it, as in the figures of the lovely laundry scene by the Meidias painter in the Metropolitan Museum[85] (fig. 309).

---

[76] Regling, "Terina," *Sechsundsechzigstes Winckelmannsprogramm,* 1906, pp. 21, 50, pl. II, *θθ.*

[77] *Ath. Mitt.* XIX, 1894, pl. VII.

[78] *Ibid.,* XXXV, 1910, pl. IV, 2.

[79] Unpublished except in newspaper accounts and, in passing, by D. M. Robinson, *Antike Plastik, Walther Amelung zum 60ten Geburtstag,* p. 202, fig. 1. I am much indebted to Professor Bartoli for his kind permission to use this illustration.

[80] Conze, *Attische Grabreliefs,* No. 68, pl. XXX.

[81] Smith, *Catalogue of Greek Sculpture in the British Museum,* III, No. 2231.

[82] Helbig, *Führer,*3 II, No. 1154.

[83] Harcum, *A.J.A.,* 1927, p. 151, fig. 4 (the legends of figs. 3 and 4 should be interchanged).

[84] *A.J.A.,* XXVII, 1923, pp. 282–283, figs. 19 and 20.

Fourth Century

The late fifth-century treatment of transparent garments lingers on through the early fourth century. The Aphrodite on the silver stater of Aphrodisias (?), Kilikia, dated about 379–374, wears a diaphanous garment[86] (fig. 311); and this is still true to some extent of the Kerkyra on the treaty relief dated 375.[87] Several of the Epidauros sculptures[88] (of about 400–375; cf. figs. 710 ff.) have the transparent fluttering draperies of former times, though the folds have now more variety of direction. The Delphian Karyatids[89] (fig. 312) with their diaphanous garments and faces in which we can note the transition from the severer fifth-century type to the softer fourth-century one (with triangular forehead) are best placed in this period of the early fourth century.[90]

By the second quarter and the middle of the fourth century a great change in the rendering of drapery has taken place. The naturalistic treatment finally wins over the former decorative one. It is now possible to mistake a sculptured garment for a real one, as was the case with the Hermes of Praxiteles (fig. 664), of which a photograph was sent to a well-known archaeologist soon after its discovery; the archaeologist admired it greatly, but asked why they had left the mantle hanging on the tree trunk when they took the photograph. The Maussollos and Artemisia in the British Museum[91] (figs. 313, 314[92]) show the new tendency clearly. The conscious arrangement of the earlier monuments where every fold had its distinct value in a beautiful design has given place to a more complicated, more naturalistic treatment. The smooth parts no longer alternate with bunched folds in a harmonious composition; the folds run in every direction as they would in reality, with a heavy mass of material gathered round the waist. The resultant effect is both more confusing and tamer.

In the majority of the fourth-century grave stelai (cf. fig. 317) the new style is firmly established; likewise in such monuments as the Demeter of Knidos in the British Museum[93] (fig. 315), the figures on the Ephesos drums[94] (fig. 705), and the mourning women on the Sidon sarcophagus[95] (fig. 316), all of the middle of the century, and in the Asklepios relief in Copenhagen,[96] dated by its inscription in 329. The draperies now have the right values, the mantles are heavy and cumbrous, they perform their proper function of covering the bodies, but their artistic effect is not on the same high level. Even in such lovely creations as the Muses on the Mantineia base (figs. 680, 681) and the terracotta statuettes from Tanagra (cf. fig. 256) the draperies have the characteristic fourth-century denseness. Though they are consciously composed for artistic effect the general impression is naturalistic and lacks the grandeur of the earlier creations.

---

[85] *Handbook* (1930), p. 155, fig. 106.

[86] Hill, *Select Greek Coins*, pl. XLII, 2.

[87] *B.C.H.*, II, pl. 12.

[88] Defrasse and Lechat, *Épidaure*, p. 177.

[89] Homolle, *Fouilles de Delphes*, IV, pls. LX–LXII.

[90] For a probable dating at about 400 B.C. on historical grounds, cf. Pomtow, *Jahrbuch*, XXXV, 1920, p. 114.

[91] Smith, *Catalogue of Greek Sculpture in the British Museum*, II, Nos. 1000, 1001.

[92] The face, forearms, etc., are restored.

[93] Smith, *op. cit.*, II, No. 1300.

This progressive development in Greek drapery from the fifth to the fourth century can be clearly visualized in a series of female figures standing in similar attitudes and each wearing a Doric chiton. A statue in Copenhagen[97] (figs. 320, 321) and the Athena on the Olympia metope (fig. 319) illustrate the architectural style of the transition period, with stiff, almost perpendicular folds, and few diversions on the overfold. A bronze statuette in the Bibliothèque Nationale,[98] a Roman copy of a work of about 450–440 (fig. 318), retains the quiet majesty of the Olympia sculptures, with a distinct lessening, however, of the tension. The Athena Parthenos (figs. 599–601), the "Athena Medici"[99] (fig. 322), and a torso in Venice[100] (fig. 323), of about 440–435, show the grandiose, Pheidian style with considerable life and variation. More folds are now introduced in both the upper and lower parts, and the leg is placed considerably more sidewise, which takes away from the perpendicular effect. Another torso in Venice[101] (fig. 324) illustrates the stage contemporary with the Parthenon pediments. The drapery is becoming softer and more transparent and the leg which does not carry the weight is sharply bent, giving greater ease to the attitude. The style of the last quarter of the fifth century is seen in the torso at Eleusis[102] (fig. 325), the Erechtheion Karyatids[103] (fig. 502), and the figure from the Gjölbaschi monument[104] (fig. 326). The drapery shows a further increase in softness and variation and has assumed a completely transparent quality in certain portions, for instance over the breasts and the bent leg. But the old feeling for design is still apparent. A torso in Venice[105] (fig. 327) of this period is in the same soft, transparent style, with a lively variegation in the folds of the kolpos, which gives it the same dramatic quality we note in the Phigaleia frieze (p. 102). A figure on the Ephesos drum in the British Museum[106] (fig. 328) and another statue in Venice[107] (fig. 329) illustrate the fourth-century style. The garment has lost its former fluidity and transparency and has become completely naturalistic. The vertical folds over the supporting leg no longer fall in uninterrupted vertical lines, as before, but the channels show variations; the tightly drawn portion between the vertical folds and the flexed leg has disappeared and a heavy fold falls from the right knee—as it would in nature. In other words the right value is now given to each portion but the former sense for composition is impaired.

---

[94] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1206.

[95] Mendel, *Catalogue des sculptures du Musée à Constantinople,* No. 10.

[96] *Ny Carlsberg Glyptotek, Billedtavler,* No. 231.

[97] Arndt, *La Glyptothèque Ny Carlsberg,* pls. 7–8.

[98] Babelon and Blanchet, *Catalogue des bronzes antiques,* No. 1045.

[99] Furtwängler, *Masterpieces,* fig. 6, pp. 27 ff.; Brunn-Bruckmann, *Denkmäler,* pl. 171.

[100] Furtwängler, *Griechische Originalstatuen in Venedig* (in *Abh. d. I. Cl. d. R. Ak. d. Wiss.,* XXI, II Abth.), pl. VII, 2. Since Furtwängler's publication of this interesting series of draped female figures—all less than life-size—they have been freed from their restorations and are exhibited in the new Archaeological Museum on the Piazza S. Marco.

[101] Furtwängler, *op. cit.,* pl. VI, 2.

Hellenistic Period

In the succeeding Hellenistic period we have many fine renderings, but it is not easy to trace a continued development; for since complete naturalism has now been reached it is merely a question of introducing variations on a given theme. Moreover, art is now largely eclectic and reverts to and combines earlier creations. Among such adaptations of former styles we may mention as particularly successful the splendid Victory of Samothrake (fig. 95) which shows on the one hand the transparency of the late fifth-century style as well as its dramatic effect of sweeping folds, on the other the concentration of heavy masses characteristic of the middle of the fourth; but the whole further complicated by a greater variation of direction. The Nike of Brescia[108] (fig. 330) shows the same combination of late fifth- and fourth-century styles—a transparent chiton covering the upper part of the body and a dense, heavy himation wrapped round the lower; only here the complication of the folds is more marked. A Hellenistic torso of a woman in Boston[109] (fig. 332) has the diaphanous garment of the late fifth century, treated, however, with greater elaboration. How closely earlier styles are sometimes adhered to can be seen by comparing the Themis of Chairestratos[110] (fig. 331; first half of the third century) with the Artemisia from the Mausoleum (fig. 313). The Themis is merely a more formalized treatment of the earlier, naturalistic rendering.

---

[102] Herrmann in Brunn-Bruckmann, *Denkmäler*, pl. 536.

[103] Stevens-Caskey-Fowler-Paton, *The Erechtheum*, pls. XXXVIII f.

[104] Benndorf, *Das Heroön von Gjölbaschi-Trysa*, pl. VII.

[105] Furtwängler, *Griechische Originalstatuen in Venedig*, pl. IV, 2.

[106] Smith, *Catalogue of Greek Sculpture in the British Museum*, II, No. 1206.

[107] Furtwängler, *op. cit.*, pl. V.

[108] Dütschke, *Antike Bildwerke in Oberitalien*, IV, p. 153.

Besides these eclectic copies and adaptations we may note some new contributions. Just as in the representation of the human figure there is introduced in the Hellenistic period a love of movement and of violent contrasts, so in the drapery we find a tendency toward dramatic and turbulent effects. The Pergamene frieze[111] (cf. e.g., fig. 334) and the statue of the Gaul killing himself (fig. 108) supply us with excellent examples. The sweep and swirl of the draperies caused by the violent motion and the strong shadows of the deep channels between the folds make on us an impression of power and restlessness. An interesting detail which may be observed on some of the Pergamene figures and which appears from the fourth century onward[112] is the horizontal and vertical stripes crossing one another, generally referred to as "Liegefalten," the idea being that they represent creases caused by the folding of the garment while not in use; though perhaps a more plausible explanation is that the artist meant to indicate a striped pattern. Characteristic of this period is the rendering of the chiton by multitudinous folds placed close together and nowhere transparent—suggesting a considerable thickness of material. We may mention as good examples some of the figures on the Pergamene frieze (cf. fig. 335) and the Anzio Girl in Rome[113] (fig. 336).

Another new style, prevalent during the second century, is that of transparent drapery, not as heretofore to show the body beneath it, but to display other drapery. It was a *tour de force*, for it implied the showing of one set of folds beneath another, the two going in different directions, and crossing one another. The problem is ably solved in such statues as the figure from Magnesia in Constantinople,[114] the Muse in Berlin[115] (fig. 337), and the statue from the Giustiniani Collection in the Metropolitan Museum[116] (fig. 338); but the effect of the whole is in each case confusing.

---

[109] Caskey, *Catalogue of Greek and Roman Sculpture*, No. 51.

[110] National Museum, Athens, No. 231.

[111] Museen zu Berlin, *Altertümer von Pergamon*, III, 2.

[112] Cf. list of sculptures given in my *Catalogue of Bronzes in the Metropolitan Museum*, p. 150.

[113] Helbig, *Führer*,[8] II, No. 1352.

A beautiful contribution of Hellenistic times is found in portrait statues of the third century wearing himatia, such as the so-called Hermarchos (fig. 241) and the seated statue by Zeuxis[117] (fig. 339) in the Metropolitan Museum, the bronze seated figure in the British Museum[118] (fig. 333), and the Sophokles in the Lateran (fig. 249). The mantle is arranged in a comparatively few, significant folds, beautifully composed with reference to a general design and yet bringing out in an admirable manner both the chief forms of the body and the heavy quality of the material. The former sense of design and the later naturalism are here combined in happy fashion.

---

[114] Mendel, *Catalogue des sculptures*, No. 549.

[115] *Beschreibung der Skulpturen in Berlin*, No. 221.

[116] *Galleria Giustiniani*, I, pl. 33. Cf. also a figure restored as Cleopatra in the new Museo archeologico in Venice, Inv. No. 53; a torso from Delos, *Revue des études grecques*, 1909, p. 293; the figures from Kos published by Bieber, *Antike Plastik, Walther Amelung zum 60ten Geburtstag*, pp. 19 ff.; etc.

[117] Metropolitan Museum, *Handbook* (1930), p. 278, fig. 197.

[118] Walters, *Select Bronzes*, No. LXV.

CHAPTER VII

ANIMALS

IT has often been said that the study of the human figure formed the sole interest of the Greek sculptor and that he attempted little else. But this is not strictly true. Being a lover of form, and of form in motion, he could not but be attracted by the various animals surrounding him and attempt their portrayal. We find him indeed at work on this study throughout his career. Several great sculptors attained renown for their representations: Kalamis, for instance, for his horses;[1] Myron for his famous cow set up on the Akropolis;[2] and Strongylion for his horses and oxen;[3] furthermore, Nikias is called by Pausanias[4] "the greatest painter of animals of his time" (i.e., fourth century B.C.).

As we pass in review the animal sculpture of the Greeks we realize that it had the same course of development as that of the human figure. Beginning with conventionalization and stylization it became gradually more and more naturalistic, passing through a period in the fifth century when the blending of the two conceptions brought about some remarkably fine renderings, and finally emerging in the Hellenistic period with realistic representations comparable to our own nineteenth-century art—comparable and yet distinct; for, just as in the human figure the long period of stylization left its imprint even on the later Greek conceptions, so in the highly naturalistic animals of Hellenistic times there is always a generalization which gives them a certain grandeur and stamps them as "classical." And throughout this long history the Greek sculptor showed his wonted ability to seize the essentials, to mark each animal with its characteristic traits, and thus bring out its individual nature.

We can mention here only a few of the outstanding representations which have survived.[5]

LION

The decorative feeling of the archaic artist is clearly apparent in such works as the limestone statue from Perachora in the Boston

---

[1] Cf. p. 203.

[2] Cf. p. 209.

[3] Cf. p. 244.

[4] I. 29. 15.

[5] For a fuller treatment see my *Animals in Greek Sculpture*, Oxford, 1930.

Museum[6] (figs. 340, 341; first half of the sixth century). We find in it the same rectangular conception, the strictly symmetrical scheme that we observe in the contemporary human figure. The body is represented in full profile, the head in full front, without any of the twists and turnings natural to a living animal. The mane is indicated by highly ornamental rows of flame-like locks; but there is also a distinct attempt at representing the swelling muscles of the legs and trunk as well as the ribs; so that—as always in Greek art—the stylization is grounded on nature and is not purely abstract.

Perhaps the two finest Greek representations of lions we have are the reclining lion in Berlin[7] (fig. 342; end of the sixth century) and the dead lion of the Olympia metope[8] (fig. 343; about 465–460). The lion in Berlin is fortunately in a good state of preservation. We could have no better example of the happy combination of stylization and increasing naturalism current at the time. The forms of the body are correctly indicated in a generalized manner; the planes are simple, the effective stylization of the mane is retained. But there has entered into the representation a better understanding of the essential nature of the animal. We note it in the completely relaxed body with both hind legs brought over to one side and head resting on one paw, in the indication of the loose skin over the right hind leg, and more especially in the expressive face with its small, watchful eye and soft parts round the mouth. The Olympia animal is more advanced in naturalism, but retains a monumental quality. The helpless, relaxed body, one paw placed under the head, the other doubled up on the side, is wonderfully convincing. The head is modeled with more detail, but the mane is in the old conventionalized manner.

In the second half of the fifth century the lion is not nearly so popular as in the earlier art. Moreover, in these increasingly realistic renderings it becomes more apparent that the artist had no opportunity to study from life.[9] We may take as examples the lions of

[6] Caskey, *Catalogue of Greek and Roman Sculpture,* No. 10; Brunn-Bruckmann, *Denkmäler,* pl. 641; in the text to pls. 641 ff. Schröder gives an excellent essay on classical lions.

[7] Wiegand, *Berliner Museen,* XLVIII, 3, 1927, pp. 1 f. It is there dated in the early sixth century. But it would be an anomaly at that time, for such intimate observation of nature as evinced by the indication of the folds of skin on the hind leg cannot be paralleled before the end of the sixth or the beginning of the fifth century.

[8] Treu, *Olympia,* III, pl. XXXV, 1.

[9] The lion was extinct in Greece proper in historic times. Herodotos VII. 125, 126 and Aristotle, *Historia Animalium* VI. 31 and VIII. 28 both say that lions occur in Europe only in the extreme north of Greece between the rivers Acheloos and Nestos.

the Nereid monument[10] of the late fifth century and the related example in the Metropolitan Museum[11] (figs. 344, 345). Here the pose, the slender body, the elongated skull, the short hair on the neck resemble those of a dog rather than of a lion; only in the wide-open mouth has the artist conveyed successfully the impression of a fierce animal of prey. The lion from the Mausoleum[12] (fig. 346) is a typical example of the fourth century (about 350). Again the sculptor has given it the build of a dog with straight legs placed wide apart and he has in no way conveyed that strange restlessness of a lion's body which suggests motion even when in repose, or the quality of his skin as it glides to and fro over the powerful muscles. And the detailed modeling makes us the more conscious of the misunderstanding of such salient features.

HORSE

We have a wealth of beautiful representations of the horse in Greek art. Effective early examples are the horses on the frieze from Prinias[13] (fig. 347), which though not correctly proportioned are highly decorative as a piece of design. From the first part of the fifth century we may select the marble horses in the Akropolis Museum,[14] with their fine aristocratic bearing and curiously pointed muzzles (fig. 348; about 500–480); and shortly afterward the large bronze statuette in New York[15] (figs. 349, 350; about 480–470). The latter sums up in an eloquent way the achievements of the Greek sculptor at this period. He has by now practically mastered the anatomy of a horse; but this knowledge does not prevent him from seeing the form as an artistic whole—in which the important functional parts are accented but no details obtrude. And the stylizing sense inherited from the past has stood him in good stead—in the effective treatment of the bone of the nose, of the mane, of the forelock, and of the contour of the whole and of each individual part. It is a beautiful piece of design and yet there are few horses in the history of art that convey to us so vividly the essential nature of the animal—its high spirit, proud carriage, and nervous temperament. Only a lover of horses and a great artist could have created such a work.

The second half of the fifth century produced the horses of the

---

[10] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, Nos. 929, 930.

[11] Metropolitan Museum, *Bulletin,* 1910, pp. 40–41.

[12] Smith, *op. cit.,* II, Nos. 1075 ff.

[13] *Bolletino d'arte,* 1908, p. 458.

[14] Dickins, *Catalogue,* Nos. 697 and 700.

[15] Metropolitan Museum, *Bulletin,* 1923, pp. 89 ff.

Parthenon frieze (fig. 486; *c.* 442–438) and pediment (cf. fig. 351; *c.* 438–431). Naturalism has made great strides. As we study the surface of the marble we shall note infinite modulations, closely observed from nature. The complicated muscles and veins of a horse's head, its fleshy and bony parts, are carefully rendered with a wealth of light and shade; and yet there is no confusion, because the transitions are clear and gradual, so that an impression of simplicity is still obtained; the greater complexity only adds richness and variety to the quiet majesty of former times. There are few artistic enjoyments comparable to that of watching the cavalcade of riders on the southern frieze of the Parthenon, so lively and yet so clear-cut, or the horse of Selene from the eastern pediment (fig. 351), one of the grandest conceptions of a horse known.

In the fourth century comes a gradual receding to a tamer level. The horse, perhaps by Skopas, on the Mausoleum frieze (fig. 697; about 350) has still much of the fire and simplicity of its predecessors, but its companions on the same frieze (figs. 720, 721, 729) and in the chariot group[16] (cf. fig. 352) have not the former refinement. And gradually with the increasing realism the difference in the various planes is accentuated and the whole becomes more elaborate. The horses on the "Alexander sarcophagus"[17] (fig. 748; last quarter of the fourth century) and on the contemporary relief in New York[18] (fig. 353) are excellent examples of such naturalistic renderings. And this elaboration becomes more marked in the later Hellenistic period. Nevertheless the former sense of design is never completely lost sight of. It lends distinction to the bronze head in the Museo Archeologico in Florence,[19] which may be regarded as a forerunner of the fine creations of the Renaissance (e.g., the horse of Colleoni by Verrocchio).

BULL AND COW

There are many excellent renderings of the bull and the cow in a variety of attitudes both in the round and in relief. The bronze statuette from Delphi[20] (fig. 354; late archaic) shows a walking cow with finely simplified modeling, the chief bones of the legs and head well accentuated, the loose skin of the neck rendered by a series of delicately incised lines.

---

[16] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1002.
[17] Mendel, *Catalogue,* No. 68.
[18] Metropolitan Museum, *Handbook* (1930), pp. 273 ff.
[19] Amelung, *Antiken in Florenz,* No. 270.
[20] Pedrizet, *Fouilles de Delphes,* V, pl. XVI.

The high-water mark in the rendering of the bull and the cow is reached in the metope of the Zeus temple at Olympia with Herakles and the Cretan bull[21] (fig. 355; about 465–460), and a little later in the cows of the Parthenon frieze[22] (fig. 356; about 442–438) and the bronze statuette of a cow in the Cabinet des Médailles in Paris[23] (fig. 357). In the Olympia bull how successfully the turn of the head is conveyed, how decorative and yet how natural is the raised swinging tail, and above all how convincing the powerful body ready for attack! The Parthenon cows and the bronze cow are rather quieter specimens, modeled with a beautiful, restrained naturalism. The ponderous motion, the sleek body and stiff legs, the powerful bones, are faithfully rendered, and yet with the same idealizing tendency that we note in the contemporary human figures. It is this combination of advanced naturalism and simplification that must have distinguished the famous cow of Myron (cf. p. 209).

Boar

The contrast between the early simplified rendering and the later realistic one is well brought out in a comparison of the boar of the "Sikyonian" Treasury at Delphi[24] (fig. 358) and the statue in the Uffizi[25] (fig. 359). The former shows the animal as a fierce creature, its forefeet set forward, the head lowered ready for attack; only the important functional parts are indicated and the outline stands out clearly. In the Uffizi statue it is represented—with a wealth of detail—sitting in characteristic, lazy attitude.

Goat

We have a delightful series of bronze statuettes of goats belonging to the late archaic period. The animal is shown in a variety of postures. We may mention as conspicuous examples a goat lying down with head to one side in the British Museum[26] (fig. 360) and a leaping goat in the Metropolitan Museum[27] (fig. 361). The forms of the goat—its elastic body and strong slender legs, its eager, long-nosed face, and little turned-up tail are well observed and rendered in the simplified manner of the period, while the shaggy hair of the beard and brow and along the ridge of the back is indicated by delicately incised lines. In each case the contours form lovely curves and the composition has the decorative quality of a carefully planned design. In the bronze statuette of a standing goat in Geneva[28] (fig. 362; second half of fifth century) the hair is stylized but the modeling of the shaggy legs and of the head is naturalistic. As fourth-century examples we may cite the butting goats in Athens[29] (fig. 363) which served as finials of gravestones and which, though realistically rendered, are decoratively composed for the purpose they served.

---

[21] Treu, *Olympia,* III, pl. XXXVI, 4.

[22] Smith, *Sculptures of the Parthenon,* pls. 40, 88–91.

[23] Babelon and Blanchet, *Catalogue des bronzes antiques de la Bibliothèque Nationale,* No. 1157.

[24] Homolle, *Fouilles de Delphes,* IV, pl. III, and p. 22.

[25] Amelung, *Antiken in Florenz,* No. 9.

[26] Walters, *Catalogue of Bronzes in the British Museum,* No. 233.

[27] Metropolitan Museum, *Bulletin,* 1921, p. 36; *Handbook* (1930), p. 76.

Dog

The dog appears frequently in Greek sculpture and is observed in many characteristic postures—of expectant listening, running, attacking its prey, sniffing the ground, sleeping, licking its body, in a cat-and-dog fight, and patiently submitting to a child's caresses. The dog in the cat-and-dog fight on the statue base in Athens (fig. 283; end of sixth century) is an excellent early characterization of the eager yet hesitant way in which the dog attacks its arch enemy. The thin, agile body with the strong hind legs and finely curved, sensitive tail are well observed. A large hound standing quietly with its head uplifted as a child pats it on the neck is engraved on a carnelian of late fifth-century style in the Metropolitan Museum[30] (fig. 364). Though on a small scale it is one of the finest representations we have of the period. All essentials in the beautiful, lithe body are indicated, and yet simply modeled in a large style; and the dog's mingled enjoyment and patient endurance of the caress are vividly conveyed. The seated hound of serpentine in the Conservatori Palace in Rome[31] (fig. 367) is another well-characterized rendering, probably a Roman copy of a fourth-century work. Like the fine greyhound in the Glyptothek, Munich,[32] and the famous example still in situ in the Kerameikos, Athens,[33] the original probably came from a grave monument, the dog being conceived as a guardian of the tomb. In the Barracco Museum is a dog lying down with its head turned back to lick a wound on its leg[34] (fig. 365). It is perhaps a

---

[28] Deonna, *Catalogue des bronzes figurés antiques,* No. 105.

[29] National Museum, No. 805; cf. also Nos. 781, 783, 786, 806; Conze, *Attische Grabreliefs,* pls. CCCLVII–CCCLVIII, Nos. 1685–1688.

[30] Richter, *Catalogue of Engraved Gems,* No. 38. It is about one-half inch long.

[31] Stuart Jones, *The Sculptures of the Palazzo dei Conservatori,* p. 145, No. 27a, pl. 96.

[32] Wolters, *Führer* (1923), No. 497.

[33] Collignon, *Les Statues funéraires,* pp. 240 f.

[34] Barracco and Helbig, *La Collection Barracco,* pl. LVIII.

Roman copy of a Greek original described by Pliny[35] as a dedication in the temple of Juno on the Capitol. The Barracco dog is certainly extraordinarily lifelike with its lanky body and the pose and face suggestive of suffering. We have clearly here reached the naturalistic stage of the late Greek period, in which the sculptor is in full sympathy with his subject and renders it directly as he sees it.

There is a series of seated dogs in the Vatican,[36] the Uffizi[37] (fig. 366), and elsewhere,[38] evidently Roman copies of what must have been a famous original. The animal is represented with head lifted to one side, mouth open, forelegs spread apart in a momentary posture; he is in that breathless state of expectancy preceding violent action which we know so well in the dog. The transitory pose and the masterly realism with which it is conveyed place the sculptor in the Hellenistic age. The breed of these dogs is the pseudo-Molossian, the same as the dog in the Kerameikos (see above). It is differentiated from the true mastiff or the Molossian by the more pointed muzzle, mane-like hair on the neck, and bushy tail.[39]

Birds

There are many notable representations of birds in Greek sculpture. They occur both as attributes in statues and statuettes of various deities and as single representations on coins and gems. We can attempt to list here only a few distinguished examples.

The majestic eagle appears on the coins of Elis, Akragas, and other cities during the fifth and fourth centuries—as quietly sitting, beating its wings, or devouring its prey.[40] Its striking beauty evidently appealed to these die-engravers and they have reproduced in masterly fashion the grand curves of its neck as it bends down on its prey (fig. 368[41]) or lifts its head, the beautiful design of its wings, and its shapely head with the hooked beak and deep-set eyes (fig. 369[42]). The swans on the coins of Klazomenai are equally successful. The bird is represented walking, beating its wings, or turning its head to preen its wings (fig. 370)—all naturalistic and yet highly decorative postures in which the curves of the long neck and the lines of the wings are effectively utilized.

---

[35] *N.H.* XXXIV. 38.

[36] Amelung, *Die Skulpturen des vaticanischen Museums,* II, No. 65.

[37] Amelung, *Führer der Antiken in Florenz,* Nos. 10, 11.

[38] Cf. the list given by Amelung, *Die Skulpturen des vaticanishen Museums,* II, p. 164. All of them are extensively restored.

[39] Cf. Keller, *Die antike Tierwelt,* I, p. 112.

[40] Imhoof-Blumer and Keller, *Tier-und Pflanzenbilder,* pls. IV and V.

[41] Coin of Akragas, about 413–406 B.C.

[42] Coin of Elis, about 421–400 B.C.

On Greek gems of the later fifth century birds are favorite representations and among them are several extraordinarily fine renderings. We may select for illustration the heron standing on one leg[43] (fig. 371). The salient characteristics of the bird are brought out, while the whole is simplified into a beautiful design adapted to fill the given space.

Miscellaneous Animals

There are several beautiful representations of minor animals on Greek coins and gems; of these we will select the crab on the coins of Akragas of about 472–450[44] (fig. 372) with delicately modeled claws and denticles, and the bee on the fourth-century coins of Ephesos[45] (fig. 373).

---

[43] Beazley, *The Lewes House Collection of Ancient Gems,* pl. 5, 66.

[44] Imhoof-Blumer and Keller, *Tier-und Pflanzenbilder,* pl. VIII, 1 ff.; Hill, *Select Greek Coins,* pl. LIX, 2.

[45] *Ibid.,* pl. VII, 19 ff.

CHAPTER VIII

COMPOSITION

WE have examined the Greek sculptor's work as it appears in his single figures—his rendering of the human body, the head, the drapery, and his representation of animals. There is another important aspect of his work, the grouping of his figures in relation to one another, in other words, their composition. That the Greeks were intensely interested in design we know from their studies in proportion and interrelations.[1] It is indeed likely that a definite system of proportion, probably geometrical rather than arithmetical, underlay Greek design[2] and that it is this subtle symmetry based on an interplay of the parts to one another and to the whole which creates in us the singular satisfaction we derive from a Greek temple, an Athenian vase, and a pediment composition. Greek interest in geometric proportion is attested by the definite assertions of ancient writers.[3]

The Greeks had, moreover, extensive opportunities of practising design, so that they developed it to an extraordinary degree. Both in their architectural sculptures and in their minor arts they were confronted with problems the solution of which they attacked with wonted application. The fitting of a large number of figures into the triangular space of a pediment, the composition of groups to occupy the rectangular space of a metope, of a grave relief, or of a long frieze, or the fitting of a design into the circular space of a coin or a sealstone; all these were problems of great difficulty and were satisfactorily solved only after many experiments. Since the Greeks ultimately achieved such splendid results, it will be of interest to study the road they traveled.

---

[1] Besides Polykleitos (cf. p. 245) many other ancient artists wrote books on proportion: Praeterea minus nobiles multi praecepta symmetriarum conscripserunt uti Nexaris, Theocydes, Demophilos, Pollis, Leonides, Silanion, Melampus (Melanthius), Sarnacus, Euphranor (Vitruvius VII, Preface 14). Of these the sculptor Pollis can be dated at least before 480, probably in the later part of the sixth century (Robert, *Jahrbuch,* 1915, p. 241).

[2] For such analyses, cf. J. Hambidge, *The Greek Vase* and *The Parthenon;* Caskey, *The Geometry of Greek Vases;* E. Mössel, *Die Proportion in Antike und Mittelalter;* I. Richter, *Space in Artistic Composition* (in preparation), all of whom find the "golden section" commonly employed in Greek design.

[3] Plotinus, *Ennead* I. VI. 1 (cited on p. 26); Plato, *Timaios* 31 c—a description of the "golden section" or proportion of the "whirling square" (this reference I owe to my sister, I. Richter); Plato, *Republic* VII. 529: ". . . just as we might employ diagrams which fell in our way, curiously drawn and elaborated by Daidalos or some other craftsman or painter. For, I imagine, a person acquainted with geometry, on seeing such diagrams, would think them most beautifully finished, but . . . ." This shows definitely that artists used geometrical proportion.

A large part of early Greek sculpture is architectural, that is, it served to decorate the temples and "treasuries" of the period. Its composition therefore became of special importance, for it had not only to form a pleasing design in itself, but to play a part in the larger composition. Unfortunately it is impossible for us to see these sculptures in their original setting, as a part of the larger scheme. It is difficult enough in most cases to reconstruct the composition of the individual group; so battered and disjointed are the fragments. To view them upon the pediment or in the friezes of a well-preserved Greek temple—harmonizing with it and making their own contribution—has not been vouchsafed us in a single instance. We must try to bridge this gap with our imagination, supplying it first with all the evidence available.

The lines of a Greek temple are largely vertical and horizontal (cf. fig. 375). There are the horizontal steps, the vertical columns with vertical flutings, the horizontal epistyle, the vertical triglyphs, the horizontal cornice. This design in straight lines needed diversity. It was furnished by the sculptured decorations—the metopes between triglyphs; the continuous friezes; the pedimental groups crowning each end; the splendid akroteria at each angle of the pediment standing free against the sky; and the antefixes and waterspouts ranged along the cornice on the sides. The sculptures by their variety of line saved the buildings from any impression of monotony. This important function we must keep in mind in our study of their composition.

(*a*) *Pediments*

The pediment groups presented peculiar difficulties. The chief requirements were: to place in the center a prominent figure or group, since here comes the chief accent; to fill the awkward space of the angles; and to compose figures for the intervening parts of constantly diminishing heights. And the composition as a whole had to produce the needed variety of line and create a harmonious effect. The gradual evolution from primitive renderings to the wonderful solutions of the Parthenon are fascinating to watch.

One of the earliest Greek pediments so far known is that of the temple at Corfu,[4] worked in local limestone (fig. 374; about 580–570). The great achievement here is the effective centerpiece. The Medusa stands out in all her grandeur and importance. The other figures—the little Chrysaor on the right, the Pegasos on the left, the lions on each side, and the diminutive figures right and left—are secondary as far as the impression of the whole is concerned; they are completely overshadowed by the great Gorgon. The problem of filling the angle is solved by a reclining figure (fig. 109); not one with feet in the corner and head raised, as later at Olympia and in the Parthenon; but a funny person lying in a completely horizontal position, his head in the angle, apparently quite unconnected with the rest of the group. The intervening figures consist of two enormous lions (effective in that they keep up the scale of the Medusa and supply desirable horizontal and oblique lines) and smaller figures of a seated goddess (fig. 61), attacked by a warrior of whom only the lance-head is preserved, and of a group with Zeus brandishing his thunderbolt against a giant (fig. 96). The combat groups furnish a pleasing variety of direction, while the seated figure reduces the height of the human figure without making it too diminutive; here this device is not yet adequately carried out, but it is successfully utilized later in the eastern pediment of the Parthenon. The weak points in the composition are the lack of concerted action and unity as well as the ludicrously small scale of the side figures compared with the central Gorgon and the lions.

The chief difficulty experienced by the early sculptor was evidently the adaptation of his figures to the slope of the pediment. It is not surprising therefore that he avoided compositions with only human figures. Animals and monsters were more adaptable than the human frame, and their wriggly tails and claws fitted admirably into the narrowing space; and moreover they could expand conveniently toward the middle. This scheme appears in several of the poros pediments found on the Akropolis of Athens.

In the small Hydra pediment[5] (fig. 376; about 570) Herakles is the great central figure. The Hydra with her manifold heads and curling tails occupies the whole right side, supplying an admirable variety of line and filling the space in a convenient manner. Iolaos, Herakles' companion, is ready with his chariot on the left. He had to be made distinctly smaller than Herakles; but he is still of acceptable size, being fairly near the center. The horses with heads down form a good lengthwise group toward the left; but they do not quite reach the angle, so the large crab which is said to have been sent by Hera to harass Herakles was provided as a filler.

---

[4] Βερσάκης, Πρακτικά, 1911, pp. 164 ff.

[5] Dickins, *Catalogue of the Acropolis Museum,* No. 1.

Similar solutions are offered in the "Bluebeard" pediment from the "old Athena" temple[6] (figs. 378, 379), where a huge monster occupies each sloping side; in one case a three-headed being, in the other a fish-tailed Triton strangled by Herakles, whose body is shown in appropriate scale crouching beside it. The central group between these two sloping compositions is lost, except for a piece of drapery which has been variously interpreted as hanging from a tree or belonging to a figure with outstretched hand.

In another poros pediment the middle portion is occupied by a bull attacked on each side by a lion[7] (fig. 377), in the scheme current in early archaic art;[8] while portions of still other pediments show a lioness devouring a bull,[9] Herakles and Triton,[10] and curling snakes.[11]

Fairly successful though these devices were in decorating the allotted space, they did not satisfy the Greek sculptor for long. Monsters were being rapidly ousted from Greek art, and it was desirable to develop more satisfactorily a composition with only human figures. Such a group had been tried as early as about 570–550 in the poros pediment of the Introduction of Herakles into Olympos[12] (fig. 380). Here large seated figures of Zeus and Hera occupy the center; and a little Herakles, and a still smaller figure with a fawnskin are placed further down the slope. Between Hera and Herakles must have been an Athena, escorting the hero; and on the other side of the pediment was probably an assembly of deities. The sculptor has succeeded here in providing an effective centerpiece, as well as a unified subject;[13] but for the problem of the slopes he frankly knew no way out except the awkward diminutive figures.

---

[6] Dickins, *Catalogue of the Acropolis Museum,* Nos. 35, 36; Buschor, *Ath. Mitt.,* 1922, pp. 53 ff. and 106 ff.

[7] Dickins, *op. cit.,* No. 3.

[8] Cf. the parallels on black-figured vases given by Buschor, *op. cit.,* 1922, pls. 13 and 14. Smaller lions with their prey probably filled the angles; cf. *ibid.,* 1922, p. 101.

[9] Akropolis Museum, No. 4; Dickins, *op. cit.,* p. 76.

[10] Dickins, *op. cit.,* No. 2.

[11] Akropolis Museum, Nos. 39, 40; Dickins, *op. cit.,* pp. 74, 75.

[12] Cf. Dickins, *op. cit.,* p. 62.

[13] Another early pediment with a unified subject appears to have been the one with the little water carrier, formerly known as the Erechtheion group, recently

In the pediment of the Siphnian Treasury (fig. 382) at Delphi[14] (about 525) the composition with human figures is more successfully carried out. The subject is the contest of Herakles and Apollo for the Delphian tripod. In the center is Athena overtowering everyone else. Apollo and Herakles, the contestants for the tripod, and Artemis, Apollo's helpmate, come next in scale. Then appear slightly smaller figures, the convenient groups of chariots and horses familiar from the Herakles and Hydra pediment; and other persons decreasing in height toward the corners, among them a crouching charioteer and a reclining man. Of the latter only a small part is preserved, but enough to show that the head is no longer resting in the corner like that of his predecessor on the Corfu pediment, but is slightly raised and placed toward the central group, foreshadowing in fact the Kladeos of Olympia and the Ilissos of the Parthenon (figs. 115, 119). To represent a figure crouching behind a chariot is likewise an important step in advance. It forecasts the use of kneeling, crouching, falling figures which could be adapted to the diminishing space without unduly reducing the scale. There is no apparent relation between the sparse subsidiary figures and the crowded central group; the sculptor has not yet learned to produce an interrelated composition. And the row of vertical standing figures in the center is somewhat monotonous in design.

The group of Athena and a giant[15] (fig. 112), and the crouching giants[16] (fig. 385) in the Akropolis Museum (about 520) have been identified as belonging to the peristyle added by Peisistratos to the old temple of Athena. The center of the pediment was occupied either by this one group of Athena and her giant, or more probably by Zeus (or Poseidon) and Athena, each with an opposing giant.[17] For there are preserved a left foot larger than Athena's (which must have belonged to an important personage placed near the center) and several other feet presumably belonging to giants. Athena's giant should be placed farther to her right than shown in the illustration, which would bring out the fine striding figure of the goddess

---

identified by Buschor as representing Troilos and Achilles by the well house (*Ath. Mitt.*, 1922, pp. 81 ff., pl. VI). Its reconstruction is too uncertain to be taken into account here. If Buschor's scheme is correct, the figures are more widely spaced than in other early pediments, and there are no diminishing figures.

[14] Homolle, *Fouilles de Delphes*, IV, pl. XVI–XVII, 1 and 1a.

[15] Dickins, *Catalogue of the Acropolis Museum*, No. 631 A.

[16] *Ibid.*, No. 631 B and C.

[17] Perhaps in the scheme of the painting on an amphora in Brussels, cf. Six, *Ath. Mitt.*, 1925, p. 117, pl. I.

to better advantage. The splendid crouching giants helped to fill the slopes. The composition must have been one of great power.

The pediments of the temple of Apollo at Delphi[18] (about 510) are unfortunately also very fragmentary. Enough remains of the eastern one[19] (figs. 381, 384, 386), however, to show that the center was occupied by Apollo's four-horse chariot seen in full front, flanked on either side by standing figures, and with groups of lions attacking animals in the corners (cf. fig. 384). The sculptor has avoided the strongly diminishing scale, but the many vertical lines in the middle are monotonous and the animal groups frankly a subterfuge. The western pediment is still more fragmentary; from the remains (cf. fig. 387) we can only judge that its subject was one of action—apparently a combat of gods and giants.

A marked development is seen in the pediment of the Megarian Treasury at Olympia[20] (fig. 383), with its battle of gods and giants (about 520–510). Here we have at last a unified composition. Zeus and his opponent form the middle group; then comes a striding deity on either side with a falling opponent; then a crouching deity with a fallen enemy; and in the extreme corners animals. It is a harmonious, animated composition of figures of about the same scale, knit together by unity of action. And there is no longer any monotony of lines; they flow in every direction, thus performing their function of supplying variety of movement in the composition of a Greek temple. Unfortunately the preservation is very poor. The soft limestone is so battered and broken that it was only with great difficulty that a reconstruction of the group proved possible.

The same theme of an animated contest appears in the pediments of the temple of Aphaia (figs. 388, 389) at Aigina[21] (about 500–480); for once discovered it naturally found favor, since it seemed to supply the chief desiderata—unified action, variety of direction, and an occasion for placing figures in all sorts of postures, thereby reducing their heights and not too much their scale. In both the west and east pediments the center is occupied by an Athena, slightly larger than the contestants. She no longer takes part in the struggle as she did in the Siphnian pediment; she is detached, and by her quiet, stately presence dominates the scene of turmoil.[22] In the west pediment the contestants on each side are divided into two distinct groups of three (in the Megarian pediment there were two groups of two) separate and independent of each other. The reclining figure in the angle (cf. fig. 113) is being stabbed and shot at by his opponents and thus becomes part of the fighting scene. For that purpose he faces toward the center, just as did the early reclining figure in the Corfu pediment; but his head is now partly raised, and he has therefore been pushed a little away from the angle which is occupied by helmets. The chief weakness in the design is the fact that the two groups of three do not interconnect, which gives the whole a staccato appearance.

---

[18] *Fouilles de Delphes,* II, fig. 83.

[19] Homolle, *Fouilles de Delphes,* IV, pls. XXXII–XXXVI.

[20] Treu, *Olympia,* III, pls. II, III.

[21] We follow here the reconstructions by Furtwängler, published in his *Aegina,* pls. 104–106.

This mistake is rectified in the later, eastern pediment. Here each side is occupied by one interconnected group of four warriors, one striding, one falling, one crouching, one kneeling; and then, in the corner, a wounded warrior (cf. fig. 114), his back to the others, but turning toward them and therefore of them; his feet very neatly fitting into the angle. This interrelation among all the figures greatly helps the unity of the whole. We see it accomplished here for the first time in the history of Greek pediments.

Twenty years later comes the temple of Zeus at Olympia[23] (about 465–460). In the west pediment (figs. 391, 392) there is again a central dominating figure, calm amid the restless confusion of battle. The bodies of Centaurs, of young Lapiths, and of Lapith women intermingle in the violence of the struggle, as they seize one another by the head, by the arm, by the waist. We can make out three separate groups on each side, with two reclining women at each corner; but the figures are so closely intertwined that we have none of the staccato feeling of the western pediment of Aigina. And miraculously, in spite of the violence of action, the effect of the whole is beautifully rhythmical. As so often in Greek art, the splendor of the composition transcends the subject, makes us forget it, and fills us with pleasure in its harmonious design.

On the eastern pediment (figs. 390, 393[24]) are represented the preparations for the race of Pelops. It is a quiet, restful scene, a presiding Zeus in the center, two standing figures on each side, then chariots with crouching figures, and seated and reclining spectators in the angles (cf. figs. 115, 116). The scheme with its vertical central figures followed by horizontal chariots and crouching people is more old-fashioned than that of the western pediment; strongly reminiscent, in fact, of the Siphnian pediment, only of course less harsh, more subtly interconnected. As a design it does not reach the height of the western pediment. Curiously, though less animated it is not more restful.

---

[22] The Athena of the Eretria pediment was so far as we can tell a similarly detached central figure. Not enough remains of the pedimental statues to allow a reconstruction of the composition. To her right probably came the Theseus and Antiope (fig. 284) mounting a chariot (cf. Furtwängler, *Aegina,* pp. 321 ff.).

[23] Treu, *Olympia,* III, pls. XVIII–XXI.

[24] The position of some of the figures is still debated; cf. the latest article on the subject by Winter, *Ath. Mitt.,* 1925, pp. 1 ff.

In the Parthenon pediments (about 438–432) we reach the climax of Greek pedimental composition.[25] Here are no battle scenes, no falling, crouching, striding warriors; and yet the scenes are full of life and action, as well as of rest and composure. The design of the west pediment[26] (figs. 394, 395) is happily preserved to us in a drawing made in 1674, a few years before its destruction. In the middle are Athena and Poseidon, moving diagonally away from the center and by their size and position dominating the scene. Then come the familiar chariot groups, but now with splendid rearing horses and full-size seated charioteers. Then sitting figures in a great variety of attitudes, no longer parallel to the background, but in various oblique postures, thus leading gradually and naturally to the reclining figures at the corners (cf. fig. 119).

The middle portion of the east pediment[27] is irretrievably lost. We have not even a drawing, for it was already gone in 1674. We only know, from Pausanias,[28] that the subject was the birth of the goddess Athena. The preserved ends (fig. 396) are not dissimilar from those of the west pediment, consisting chiefly of seated and half-reclining figures, subtly interconnected by their attitudes, by a slight turn to the right or the left. The early device of the Corfu pediment of a seated figure for adaptation to the slope is here perfected. For the filling of the corners the sculptor has used a novel and bold device—Helios rising with his horses from the sea at one end, Selene disappearing into it at the other. Throughout we feel that the designer here at work had reached his full stature. After a century or two of continued struggle he has emerged from all preparatory stages, and, building on the results of former trials and gropings, is able to fashion his composition into a magnificent, harmonious whole.

---

[25] The pediment which included the Niobids in Rome and Copenhagen (figs. 4, 92, 118) must have been an outstanding composition a decade or so previous to the Parthenon.

[26] Smith, *Sculptures of the Parthenon*, fig. 27.

[27] *Ibid.*, figs. 8 and 9.

[28] I. 24. 5.

After the Parthenon there is no outstanding pedimental composition, at least now known. The east pediment of the Nereid monument[29] (fig. 397) is an awkward composition, reverting to the timid solutions of archaic times: two groups in the center followed by figures of strongly diminishing heights, and animals in the corners. What is preserved of the west pediment[30] shows a combat scene not harmoniously interrelated. The remains of the pediments of the temples of Athena Alea at Tegea[31] (about 460; cf. p. 268) and Asklepios at Epidauros[32] (first quarter of the fourth century; cf. p. 275) are too scanty to be judged. Other small pediments of the fourth century, for instance, those from an Attic tombstone[33] and from the Sidon sarcophagus of Mourning Women[34] (fig. 398; middle of fourth century) show inadequately filled spaces, the corners left vacant. The pediments of the Alexander sarcophagus[35] (cf. figs. 399, 400; last quarter of the fourth century) revert to the old contest scenes with crouching and striding warriors, with the innovation, however, that the central figure consists of a rider on a rearing horse. They are able compositions, but in no way noteworthy developments of what has gone before.

(*b*) *Metopes*

A LESS complicated task than the designing of a pedimental group was the composition of a metope, that is, the fitting of one or more figures into a rectangular space. Here too the requirement was a harmonious filling of the space itself, as well as the introduction of variety in the vertical and horizontal design of a Doric temple. We can trace an interesting development from the primitive efforts of the seventh and early sixth centuries to the finished productions of the Parthenon.

In the painted metopes of the temple of Thermos[36] (figs. 401,

---

[29] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 924.

[30] *Ibid.,* No. 925; Brunn-Bruckmann, *Denkmäler,* pl. 219.

[31] Dugas, *Le Sanctuaire d'Aléa Athéna à Tégée,* pls. XCVI ff.

[32] Defrasse and Lechat, *Épidaure,* p. 55.

[33] Furtwängler, *Aegina,* p. 333, fig. 268.

[34] Mendel, *Catalogue des sculptures du Musée à Constantinople,* I, No. 10.

[35] *Ibid.,* I, No. 68.

[36] *Antike Denkmäler,* II, pls. 50 ff.

402; late seventh century[37]) the composition is stilted and obvious. In the single figure of Perseus the legs and arms are simply spread out in the attitude of running to occupy the broad space; and the three seated goddesses fill it too compactly, without the interplay of crossing lines.

The same angularity is found in the metopes of the "Sikyonian" Treasury in Delphi[38] (about 570–550). A single animal with a subsidiary figure is a favorite motive (fig. 358). More ambitious compositions are attempted in the Dioskouroi and the sons of Aphareus[39] bringing back the cattle (fig. 404) and in the Dioskouroi with Orpheus in the Argo.[40] But there is a sameness of posture, a strict adherence to the vertical line, which has a monotonous effect. In the metopes of the temple of Assos[41] (third quarter of the sixth century), nothing intricate in the way of a composition is attempted (cf. fig. 403). We find confronting sphinxes, single centaurs, single animals; and when there is a group of two figures they are merely placed side by side, not properly interconnected. The metopes of temple C of Selinus[42] (*c.* 550–540) show the same tendency to accentuate the vertical line, the same lack of interrelation between the component parts. They do not form an interesting design in themselves nor do they adequately perform their function of creating diversity in the composition of a temple. The Athena, Perseus, and Medusa (fig. 405) are, for instance, simply placed side by side; so are the Herakles and the Kerkopes.[43] The only oblique direction is given in the striding legs of the heroes.

In the metopes of the Athenian Treasury[44] (about 510–500[45]) we at last get a more varied design. The oblique line is now boldly introduced by placing Herakles on top of the hind, which breaks up entirely the old monotonous arrangement and introduces a refreshing element of diversity and interrelation (fig. 406). It is not yet an entirely successful design, however, for it is rather top-heavy; even when the hind was whole it was too slender compared to the Herakles above. In the Herakles and Kyknos metope (fig. 124) the two figures are both placed in markedly oblique positions. They fill the space admirably and present an interesting variation. There are many other novel compositions among the metopes of this Treasury and we regret the more the fragmentary condition of most of them. In the group of Theseus and the Minotaur (fig. 407) the hero steps forward in a strongly slanting position and clutches the Minotaur, whose upper part is vertical but whose legs form oblique lines. In another metope (fig. 409) is a warrior in the same oblique attitude as Theseus, holding out a large shield, while his opponent is collapsing diagonally in front of him. The sculptor has realized the importance of crossing lines in his composition, a device used later with such splendid effect in the Parthenon. The metope with Athena and Theseus (fig. 408) shows the earlier arrangement of two figures standing side by side, but with a new spaciousness. The figures are not so close together, and the arms they stretch toward each other create diversity.

---

[37] Koch, *Ath. Mitt.*, 1914, pp. 237 ff.

[38] Homolle, *Fouilles de Delphes,* IV, pl. IV; Poulsen, *Delphi,* pp. 73 ff. The metopes were found in the foundations of the "Sikyonian" Treasury and therefore may have belonged to any older nearby building. Dinsmoor (*B.C.H.,* 1912, pp. 467 ff.) proposes the Syracusan Treasury.

[39] Only Idas is preserved. The names are identified by the painted inscriptions.

[40] Homolle, *op. cit.,* IV, pl. IV top.

[41] Bacon and others, *Investigations at Assos,* pp. 145, 147, 151.

[42] Benndorf, *Die Metopen von Selinunt,* pls. I–IV.

[43] *Ibid.,* pl. II.

[44] Homolle, *op. cit.,* IV, pls. XXXVIII ff.; Poulsen, *op. cit.,* pp. 158 ff.

[45] Some would place this Treasury after 490 B.C., on account of Pausanias' statement (X. 11. 5): "The Athenian Treasury (was built) with the spoils taken from the army which landed at Marathon under the command of Datis." But Pausanias was probably misled by the inscription on the platform immediately adjoining the Athenian Treasury: Ἀθεναῖοι τ[ô]ι Ἀπόλλον[ι ἀπὸ Μέδ]ον ἀκ[ροθ]ίνια τε̂ς Μαραθ[ô]νι μ[άχες], "The Athenians dedicated first-fruits of Marathon to Apollo," which doubtless referred to offerings mounted on this platform (the foundation of which is indeed entirely separate from that of the Treasury). At all events potent considerations point to an earlier date for the Treasury: (1) The Treasury still has the swallow-tail clamps

The metopes of temple E at Selinus[46] (second quarter of fifth century) are among the most beautiful remains of late archaic art. We note two schemes in their design. In the group of Herakles and an Amazon (fig. 412) and in that of Athena and a giant (fig. 413) we have two strongly oblique figures, similar to the Herakles and Kyknos of the Athenian Treasury (fig. 124). In the Zeus and Hera (fig. 410) and in the Artemis and Aktaion groups (fig. 411), one figure is vertical and occupies only a small portion of the relief while the other is placed obliquely across the remaining portion. There is

---

while the platform has the later Z-shaped clamps; (2) the form of the capitals with the stiff echinus of the period just before 500 B.C. (Dinsmoor, in Anderson-Spiers-Dinsmoor, *Architecture of Ancient Greece* [1927], p. 97); (3) the fact that the marble is Parian, not Pentelic, which would have been the more likely material used after 490 B.C.; (4) the consideration of the expected return of the Persians after 490, which would prevent the erection of important monuments (cf. p. 7); (5) the style of the sculptures, which is certainly earlier than the Aigina pediments (cf. Langlotz, *Zur Zeitbestimmung der strengrotfigurigen Vasenmalerei und Plastik*, pp. 72 ff.). On this whole question, cf. also Bourguet, *Les Ruines de Delphes*, pp. 96 ff.

[46] Benndorf, *Die Metopen von Selinunt*, pls. VII–X.

a beautiful harmony in these compositions—in the interrelation of the two figures and in the pleasing empty spaces. In spite of the violent movement and the agonizing subject of the Aktaion metope, it charms and rests us by the beauty of its design. Just as in the Lapith and Centaur contest of the western pediment of Olympia, the rhythmical quality of the composition completely transcends the theme.

This sense of harmony is characteristic also of the metopes of the Olympia temple[47] (about 460). Many of them are scenes of violent movement—Herakles fighting the Cretan bull (fig. 355), Herakles cleaning out the Augean stables.[48] But this feeling of struggle is largely mitigated by the interplay of lines and surfaces, and by the restful empty spaces against which the contours of the figures stand out effectively. Moreover, each fourth metope when in place on the temple had a quiet subject—on the east side Herakles and Atlas[49] (fig. 414), on the west side Herakles and the Stymphalian birds. Without question this arrangement was intentional. It was designed for relief and variety, just as in a Greek drama there is the juxtaposition of violent scenes with quiet choruses. And it makes us feel poignantly how much we miss in not seeing these architectural compositions in their original setting. An extract from a Greek play is still beautiful out of its context, but it has lost much of its dramatic quality. Similarly a piece of architectural sculpture when removed from the place it occupied in the building may be lovely in itself, but we miss the part it played in the composition of the whole.

In the metopes of the Parthenon[50] the Greek sculptor reaches his highest level. Horizontal, oblique, and vertical movement, beautiful curves, and empty spaces are now used with the greatest freedom and effectiveness; and there is infinite variety in the compositions. Unfortunately many of the metopes are fragmentary; and just because they are so carefully composed we miss the lost portions more acutely. A few, however, are sufficiently well preserved for an adequate appreciation of the composition. What a splendidly bold design is the Centaur rushing in triumph over the dead body of a Lapith (fig. 416)! How beautifully the space is occupied, how well the contours stand out, what a pleasing variety the lines must have created in their original setting! Another Centaur and Lapith group (fig. 415) may be accurately described as follows: "The Centaur is wounded and turns to fly while he presses the wound in his back with his right hand. The Lapith restrains him, grasping the side of his head, while preparing for a sword thrust."[51] But how little we note or care about these harassing details when we look at and enjoy the relief. How much more conscious we are of the magnificent body of the Lapith standing out against the simple folds of his mantle, the fine way in which his left leg crosses the Centaur's body, the harmonious spacing of the whole. The beauty of line and of composition makes us forget the violence of the struggle, for it gives these fighting Lapiths and Centaurs a regal grandeur quite independent of their action.

---

[47] Treu, *Olympia,* III, pls. XXXV–XLV.

[48] *Ibid.,* pl. XLV, 12.

[49] *Ibid.,* pl. XLV, 3.

[50] Smith, *Sculptures of the Parthenon,* pls. 16 ff.

Often in the Parthenon metopes the figures are not kept strictly within the rectangular frame but project over it; as in the group of the Lapith attacking a Centaur (fig. 105),[52] where the upper part of the Centaur's head covers the upper ledge. This cutting into the horizontal lines of the temple architecture was doubtless made for variation and occurs also elsewhere; for instance, on the Athenian Treasury (in the metope with Athena and Theseus), and at Olympia (in the metope with the Augean stables).

The metopes of the "Theseion"[53] also show bold compositions (cf. fig. 417), generally not so harmonious as those of the Parthenon; but they are mostly not well enough preserved to be judged. Of the Phigaleia metopes[54] (cf. figs. 300, 301) only a few fragments are preserved, executed with rather more finish than the frieze, so we regret the more that so little is left.

This brings us to the end of our study of Greek metopes; for we have no fourth-century remains of importance. The Doric style fell more into disuse, giving place to the Ionic and Corinthian, so that metopes were no longer needed.

(*c*) *Continuous Friezes*

A STUDY of the continuous friezes of Greek temples and "treasuries" from the point of view of their composition brings out the same interesting development in the spacing and interrelation of figures which we have noted in the pediments and metopes. Only here our material is more scanty, for we have not so many examples of the earlier periods well enough preserved to admit a safe judgment of their design. In the reliefs of the temple of Assos[55] (third quarter of sixth century; cf. fig. 403) there is the same staccato feeling, the same confusing juxtaposition of figures of completely different scale that we noted in the early pediments (cf. fig. 374). In the frieze of the Siphnian Treasury[56] (figs. 418, 419; *c.* 525) great progress has been made in the interrelation of the figures by the introduction of oblique lines and interlocked groups; but the effect of the whole is still somewhat harsh. The late archaic relief of cocks and hens[57] and the procession of chariots[58] (*c.* 470) from Xanthos are widely spaced compositions in which each figure stands out effectively. In the frieze of the Ilissos temple[59] (*c.* 450) several interrelated groups are successfully introduced, but there is still a lack of harmonious composition (fig. 420).

---

[51] Smith, *Sculptures of the Parthenon,* p. 35, pl. 22, fig. 1.

[52] See also fig. 415, and Smith, *op. cit.,* pl. 19, 1.

[53] Sauer, *Das sogenannte Theseion,* pls. V and VI.

[54] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, Nos. 510–519.

And this brings us to the great achievement of the Parthenon frieze[60] (about 442–438). It was clearly conceived as a unified whole. From the start of the action (in the southwest corner) with the mounting of the riders, through the lively cavalcades of horsemen (fig. 486) and charioteers (along the western ends of the north and south sides), and the slowing down of the speed in the men with sacrificial animals and vessels and the solemn advance of the magistrates and the maidens (at the eastern ends of these sides), to the solemn climax of the seated deities with the handing over of the peplos (in the center of the east side)—throughout this long composition of over five hundred feet in length the sculptor has created a beautifully harmonious, interrelated design. And the effect is never monotonous, for lively action and quiet poses are intermingled, producing the needed contrast in composition and interest.

The Phigaleia frieze[61] (about 420) is a more tempestuous, vivacious conception (figs. 298, 299), full of boldly designed groups and flying draperies with deep shadows forming a highly decorative background. It has not the restraint and majesty of the Attic Parthenon, but its life and tumult are exhilarating.

---

[55] Bacon and others, *Investigations at Assos*, pp. 145 ff.

[56] Homolle, *Fouilles de Delphes*, IV, pls. VII ff.; Picard and Coste-Messelière, *Fouilles de Delphes*, IV (2), pp. 72 ff. (fig. 34 shows the probable order of the slabs after a recent study of the material); Poulsen, *Delphi*, pp. 101 ff.

[57] Pryce, *Catalogue of Sculpture in the British Museum*, I, 1, No. B 149.

[58] *Ibid.*, B 165.

[59] *Antike Denkmäler*, III, pl. 36; *Jahrbuch*, XXXI, 1916, pp. 169 ff.

[60] Smith, *Sculptures of the Parthenon*, pls. 30 ff., pp. 50 ff.

[61] Smith, *Catalogue of Greek Sculpture in the British Museum*, I, Nos. 520–542.

In the friezes of the Gjölbaschi[62] and Nereid monuments[63] (late fifth century) we find an important innovation. Hitherto the Greek sculptor had confined his representation to limited groups of figures of which the beginning and end were clearly visible. In other words the many scenes of battle and contests and banquets resolve themselves into a limited number of participants, variously grouped. Even in the Parthenon frieze the impression is never conveyed that this is a section of a procession which continues beyond the actual representation. On the contrary the procession is complete in itself —it begins where the sculptor starts it and ends where he leaves it off. But that the Greeks forestalled the Romans in the suggestion of continuance over and beyond the actual representation is shown in the renderings on the Gjölbaschi (figs. 421, 422) and the Nereid friezes.[64] Here in the massed formations of soldiers we obtain for the first time the sense that this is merely a section of a larger whole; just as in the reliefs of the arch of Titus we feel that this is only part of a long procession.

The friezes of the Mausoleum of Halikarnassos[65] (middle of the fourth century; cf. figs. 697–699, 720, 721, 729, 730, 735) show a less compact, more spacious composition, the contour of each figure standing out effectively against the background and the whole making a quieter impression than the closely interlocked figures of the earlier reliefs. But the interconnection of the figures is brought out not only in the crossing lines (cf. p. 174) but in the wave-like pattern which runs through the design. The same spaciousness marks the friezes of the Lysikrates monument[66] (fig. 491) and the sarcophagus of Mourning Women from Sidon[67] (fig. 316) of the middle of the fourth century. With the advent of the Hellenistic period there is a reversion to a crowded composition and closely interlocked groups, as shown in the friezes of the "Alexander sarcophagus"[68] (end of the fourth century; fig. 748) and the Pergamon altar[69]

---

[62] Benndorf, *Das Heroön von Gjölbaschi-Trysa;* Körte, *Jahrbuch,* XXXI, 1916, pp. 257 ff.

[63] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, Nos. 850 ff.

[64] *Mon. dell'Instituto,* X, pls. XV, XVI.

[65] Smith, *op. cit.,* II, Nos. 1006 ff.

[66] *Ibid.,* I, No. 430 (description of cast); the original is in situ in Athens.

[67] Mendel, *Catalogue des sculptures du Musée à Constantinople,* I, No. 10.

[68] *Ibid.,* No. 68.

[69] Berlin Museum, *Beschreibung der Skulpturen aus Pergamon,* I, *Die Gigantomachie.*

(second century; figs. 334, 335). In the latter the relief is very high and effective use is made of strong shadows which add to the feeling of restlessness and turmoil.

(*d*) *Grave Stelai*

Besides these architectural sculptures there is another type of relief, like the metopes rectangular in form, which is interesting to study for the development of its composition, viz., the grave stele. We can note definite stages in its evolution.

The early grave stele is high and narrow and generally contains only one figure, which takes up the entire available field. The stele of Aristion by Aristokles[70] (about 510) is a typical example (fig. 424). Occasionally two figures are compressed into the same narrow space, as in the gravestone of a youth and his sister[71] (fig. 423) in the Metropolitan Museum (about 550–530) crowned by a handsome akroterion which was once surmounted by a sphinx. The stele by Alxenor[72] (fig. 425) and that of a girl from the Esquiline—both of the early fifth century—are a little wider in proportion to their height, so that the sense of crowding is less marked; but even the man on the gravestone in Naples[73] (second quarter of the fifth century) still completely fills the available space. By the middle of the century the slab has become distinctly wider, so that the sculptor could afford more space around the figure and create a more harmonious composition with interesting interrelated surfaces. And naturally the contours of the figure now become more effective. It could either be placed in approximately the middle of the block, as in the girl with the pigeons now in the Metropolitan Museum[74] (fig. 426) or to the extreme left, which gave room for the action in front, as in the stele of the girl with a casket in Berlin[75] (fig. 427), and of Philis in the Louvre.[76] In some of these examples the palmette finials which crowned the slabs are still preserved, adding greatly to the effect of the whole.

During the second half of the fifth century we have a further in-

[70] National Museum, Athens, No. 29.

[71] Metropolitan Museum, *Bulletin,* 1913, pp. 94 ff. (The original of the head of the girl is in Berlin.) Cf. also the stele from Thespiai, National Museum, Athens, No. 32.

[72] National Museum, Athens, No. 39.

[73] Ruesch, *Guida del Museo Nazionale di Napoli,* No. 98 (6556).

[74] *Antike Denkmäler,* I, pl. 54; Metropolitan Museum, *op. cit.,* 1927, pp. 101 ff.

[75] Berlin Museum, No. 1482 (not in catalogue); *Antike Denkmäler,* I, pl. 33, 2.

[76] Prachov, *Annali dell'Instituto,* 1872, pl. L, p. 185.

crease of the width in relation to the height; and this gives room for an additional figure and yet a retention of the restful empty spaces. The stelai of Hegeso (fig. 429) and Glykylla (fig. 306) are masterpieces in design, beautiful, harmonious groupings with an effective prominence of the chief figures. The slabs are now crowned with pediments, and engaged pillars are generally added at each side.

In the fourth century we have approximately the same proportions, but the compositions now become more crowded, there are fewer empty spaces, the contours become less important, and we no longer enjoy the interrelation of the figures and of the spaces in the background (cf. fig. 317). Occasionally there are more spacious groupings of one or two figures; but even then their interrelation appears less carefully planned. And the depth of the relief increases. Sometimes it is so great that parts of the figures are actually in the round and the regular framework of a pediment resting on side pillars becomes so deep as to give the appearance of a shrine or *ναΐσκος* [77] (fig. 428). The strong shadows thereby created make a pictorial rather than a sculptural effect.

And here the story ends. The anti-luxury decree of Demetrios of Phaleron (*c.* 317) forbade the erection of sculptured gravestones; and thenceforth there appear only insignificant pillars in the graveyards. The new law killed one of the most beautiful forms of artistic expression in Athens.

---

[77] Metropolitan Museum, *Handbook* (1930), p. 257, fig. 180.

CHAPTER IX

TECHNIQUE

IN the preceding chapters we have treated Greek sculpture solely from the artistic point of view—which forms indeed our chief interest today. But we cannot thoroughly understand even the artistic quality of Greek sculpture without some knowledge of its technique; for any art is conditioned by the methods employed in producing it.

Regarding the technical processes of Greek sculpture[1] we know practically only what the monuments themselves can teach us, though we get a little help from a few statements of ancient writers. And of course a study of the methods employed in the making of sculpture today is helpful; but there are important differences between ancient and modern practice.

(*a*) *Materials*

Wood

THE chief materials used by Greek sculptors were wood, bronze, soft limestone, marble, terracotta, silver, gold, ivory, amber. That wood was commonly employed, especially in early archaic times, we know by the frequent references in ancient literature to temple statues in that material. Pausanias in his travels through Greece in the second century A.D. still saw a good many of these primitive "xoana," which owed their survival among the later products to their religious sanctity. They were produced later also, as we know from several specific instances; e.g., in the third century at Delos[2] and in Roman times.[3] But no examples, unfortunately, are preserved today. The damp climate of Greece has destroyed them all.

Bronze

Bronze was probably the commonest material of Greek sculpture and certain distinguished sculptors, like Polykleitos and Lysippos, worked almost exclusively in that material. It is largely due to this circumstance that so few original works by the greatest Greek artists have survived; for the intrinsic value of bronze caused it to be melted down in later times; and this brought about the destruction of a large output of Greek art. A Greek bronze statue today is a rarity, though bronze statuettes and various kinds of small reliefs have been preserved in graves in large numbers.

---

[1] Cf. on this whole subject the excellent articles on *Sculptura* by Dugas, and on *Statuaria* by Deonna, in Daremberg and Saglio's *Dictionnaire*.

[2] *B.C.H.*, 1890, p. 502.

[3] Conteleon, *Ath. Mitt.*, 1889, p. 91.

The earliest bronze statues were plated, that is, made of hammered sheets of bronze, riveted together.[4] Bronze foundry is said to have been an invention by Rhoikos and Theodoros of Samos[5] (sixth century B.C.[6]) ; but obviously it was merely an introduction into Greece of a practice common in Egypt and the East. Statuettes are mostly cast solid; but in full-size statues both the weight and the cost were against such a practice, and hollow casting was resorted to. Both in solid and in hollow casting the Greeks apparently used the so-called *cire perdue* process, which is still employed in a modified form at the present day as giving better results than the method of casting from sand moulds. Solid casting was comparatively simple. The object to be cast was first modeled in wax and then surrounded with a mixture of clay and sand which formed a kind of mantle. When this was thoroughly dry, an opening was made at an appropriate place and the whole heated until all the wax melted away. The molten metal was then poured in, a few ventholes having previously been made in the mantle to allow for the escape of the air. After cooling, the mantle was broken up and the bronze was ready for the finishing touches.

The process of hollow casting as used by the Greeks was apparently as follows: A core of clay or plaster was surrounded with a layer of wax, which was modeled in the shape of the required statue and made of the same thickness that the bronze was to be. Before the application of the outer mantle, wax rods, to act as future gates and vents, were probably attached to the figure, in the same way that they are nowadays; for one of the difficulties of bronze casting is that the metal cools quickly and therefore has to be conveyed to the various cavities through several channels at the same time. Moreover, in order to keep the interior core from becoming displaced on the disappearance of the wax, metal rods were inserted, which pierced through the wax, joining the core to the mantle. When the outer mantle had been added, the whole was treated as in solid casting, that is, it was heated in a furnace until the wax all disappeared, whereupon the liquid bronze was poured in, which now occupied only the spaces left vacant by the molten wax instead of the whole interior. When the mantle was broken up there emerged the bronze, from which had to be removed the inside core, the rods which had been inserted to keep the core in place, and the gates and vents, which were now of bronze. Also, any defects of casting caused by air-bubbles and other accidents had to be repaired, generally by means of small patches, such as are still visible on many ancient bronze works.

---

[4] Plates of bronze riveted on a wooden body are found also in Gothic sculpture, e.g., in the funerary statue of Blanche de Champagne in the Louvre, No. 167.

[5] Pausanias VIII. 14. 8: "The first to cast statues in molten bronze were the Samians Rhoikos, the son of Phileas, and Theodoros, the son of Telekles."

[6] Theodoros worked for Kroisos (*c.* 546) and Polykrates (*c.* 520); cf. Overbeck, *Schriftquellen,* 273 ff.

That bronze statues were worked in parts is shown in an attractive picture of a Greek foundry on a kylix in Berlin[7] (fig. 430); and can be noted on extant figures, for instance on the Delphi charioteer. The surface was treated to prevent the golden color of the bronze from being too glaring, but not artificially patinated as is done today.[8] Occasionally it was gilt or silvered.[9]

SOFT LIMESTONE

Local limestones were employed by Greek sculptors, especially in early times. The pediment figures of the early temples on the Akropolis were made of local Piraeus stone, the λίθος πώρινος of the ancients, and are hence often referred to as "poros" sculptures. The softness and lightness of these stones made them easy to cut and handle, and the unattractive surface could be hidden by paint. The sculptors of Cyprus used their own coarse limestone throughout their career. But elsewhere this inferior material was mostly given up in the course of time in favor of the beautiful Greek marbles.

MARBLE

The general employment of marble[10] in Greek sculpture begins in the seventh century B.C., and becomes firmly established during the sixth. At first it was the island marbles, especially the coarse-grained Naxian and the finer-grained Parian which were in demand. Early in the fifth century[11] Athens developed the quarries of her own

---

[7] Furtwängler and Reichhold, *Griechische Vasenmalerei*, III, pl. 135.

[8] Cf. the summary of the evidence on the subject given in my *Catalogue of Bronzes in the Metropolitan Museum*, pp. xxvii ff.

[9] Cf. Pausanias X. 18. 7 and 14. 7; Pliny, *N.H.* XXXIII. 64. On gilding and silvering bronzes cf. my *Catalogue of Bronzes in the Metropolitan Museum*, p. xxvi.

[10] Cf. the list of marbles used by the Greeks given by G. Lafaye in Daremberg and Saglio, *Dictionnaire*, under *Marmor*, pp. 1601 ff.; also Lepsius, *Griechische Marmorstudien*, in the *Abhandlungen d. Akad. d. Wissensch. zu Berlin*, 1890. Henry S. Washington, *A.J.A.*, 1898, pp. 1 ff., has pointed out that all quarries vary, and that identical marbles are sometimes found in very different localities.

[11] Pentelic marble occurs occasionally also in sixth-century monuments.

Mount Pentelikon, and henceforth much of her sculpture is in this close-grained, milky white marble;[12] though the crystalline, beautifully transparent Parian was often preferred for single statues.[13] Occasionally the bluish gray marble of Mount Hymettos[14] was employed, also, and elsewhere local marbles occur; for instance the coarse Doliana variety in some of the sculptures of Tegea.[15] The quarries of Carrara and Luna of Italy were not worked till Roman times.[16] Their products are greatly inferior to those of Greece. Their untransparent denseness is singularly unattractive compared to the luminous quality of the Greek stones.

All the Greek marbles are white or whitish. Colored stones, so popular in Egypt and in imperial Rome, were not favored in Greece. Only occasionally do we find black Eleusinian stone introduced as the background of a frieze[17] or as a color note in architecture.[18]

Terracotta

Terracotta, though commonly used for statuettes at all periods, is rare in Greece for large statues. In Italy, on the other hand, and also in Cyprus, it was a favorite material[19] (cf. figs. 79, 460). The difference is easily explained by the source of supplies, Greece having abundant provision of marble, Italy hardly any, at least until the opening of the Carrara quarries.[20] Greek terracotta statues and statuettes though occasionally modeled and solid are usually moulded and hollow. This process was briefly as follows: A mould of clay was first made and baked to considerable hardness. Its surface was then covered with layers of moist clay until the required thickness was reached. The shrinkage of the clay in drying allowed the figure to be easily removed from the mould. The back was made separately (either in another mould, or, if summarily worked, by hand) with a venthole for evaporation. The two parts were carefully joined, the necessary retouching done in the more careful examples, and the whole then baked; finally the entire surface was painted (cf. p. 150). The same mould could be used again and again, but to insure the desired diversity the head and arms were often moulded separately and different moulds variously combined. The many hundred Tanagra statuettes in spite of their obvious similarity include few duplicates.

---

[12] Exposure gradually turns it a golden brown by the oxidation of the iron which it contains. For detailed descriptions of these marbles, cf. Lepsius, *Griechische Marmorstudien*, pp. 11 ff.

[13] The Hermes of Praxiteles is of Parian marble. This marble was called λυχνίτης or λιχνεὺς λίθος in ancient times, according to Pliny, *N.H.* XXXVI. 5, because it was worked by lamplight (λύχνος).

[14] The Moschophoros is in that material.

[15] Cf. p. 268.

[16] Pliny, *N.H.* XXXVI. 14, 49, 135; see below, note 20.

[17] In the Erechtheion.

[18] E.g., in the Parthenon and the Propylaia, in the Zeus temple at Olympia, and at Eleusis.

[19] Cf. especially the terracotta sculptures in the Syracuse Museum (Orsi, *Monumenti antichi,* XXV, pls. 16, 17), and those from Veii in the Villa Giulia Museum (*Not. d. Sc.*, 1919, pp. 13 ff.).

[20] The Etruscans used Carrara marble to a slight extent (Müller, *Die Etrusker,* I, 2, p. 226), more generally the marble of Pisa (Strabo V. C223; Müller, *op. cit.,* I, 2, p. 227).

SILVER
GOLD AND
IVORY

The use of such precious materials as gold and silver was naturally not common for full-size statues. Silver indeed seems only to have been employed for statuettes and small reliefs. Gold, however, in conjunction with ivory was in general use for the so-called chryselephantine statues. The Athena Parthenos and the Olympian Zeus by Pheidias are the most famous examples known,[21] but we hear of a number of other temple statues of the kind,[22] especially in the fifth century, though the expense involved always made them uncommon. Since nothing has survived except a few ivory parts[23] (presumably from such statues), and since the technique is no longer practised today, we know little of the processes required. The nude parts—the head, arms, and feet—were made of plates of ivory, the drapery of sheets of gold, applied probably over a wooden framework. The glitter of the gold was, at least sometimes, neutralized by the addition of painted patterns, as we know in the case of the Olympian Zeus.[24] That the effect was exceedingly beautiful and impressive is attested by the universal admiration of the two great Pheidian masterpieces. The Zeus would not have been considered to have "added something to religion" if the impression had been merely gaudy, as some critics claim.

Occasionally we hear of gilded statues, not only of bronze but of marble. The Eros of Thespiai by Praxiteles, for instance, had gilt wings.[25] Phryne is said to have dedicated a gilt[26] (or gold?[27]) statue of herself at Delphi, executed by Praxiteles. In Roman times it became a practice to gild Greek statues to cater to the taste for gaudiness.[28]

---

[21] Cf. pp. 215, 218.

[22] Cf. pp. 229, 248, 281.

[23] Cf., e.g., Albizzati, *J.H.S.*, XXXV, 1916, pp. 373 ff., pls. VIII–IX; Lethaby, *J.H.S.*, XXXVII, 1917, pp. 17–18.

[24] Strabo VIII. 353.

[25] Julian. Imperat. *Orat.* II. 54B (unless the gilding was added later).

[26] Pausanias X. 15. 1 (*ἐπίχρυσον*).

[27] Athen. XIII. 591B (*χρύσεον*); cf. also Plutarch, *De Pyth. orac.* 15 etc.

[28] Cf., e.g., Pliny, *N.H.* XXXIV. 63.

Combination of Wood with Marble and Ivory

Stucco and Plaster

The so-called akrolithic[29] statues (literally "with extremities of stone") were made of wood, often gilded, with face, hands, and feet of marble;[30] and single ivory feet or hands have also been found (fig. 432) provided with holes for fastening, probably to wooden bodies. In localities where marble was scarce stucco or plaster was sometimes used to piece out the marble. This practice is commonly found in Egypt,[31] cf. also the recent finds (of the Roman period) at Kalydon.[32]

Amber
Ivory
Lead

Amber was in occasional use for statuettes and small reliefs; likewise ivory and lead.

Only marble sculptures have survived in any large quantity up to our time; for their weight and the lack of intrinsic value of their material made them less desirable for transportation. It is only their use in limekilns that worked for their destruction. In our account of technical processes, therefore, we shall have the marble remains mostly in mind.

(*b*) *Methods of Work*

Different Approach by the Ancient and the Modern Artist

There is an important difference between the methods of a Greek and of a modern sculptor in marble. Nowadays we generally start by making a full-size model in clay on a lead armature, then make a plaster cast of this model, and finally translate the cast into marble by the process of pointing.[33] Since both the cast and the marble copy are produced by mechanical means it follows that the clay model is the only original creation of the modern artist. The Greek method was different. The making of plaster casts of statues was said to have been invented by Lysistratos, the brother of Lysippos, at the end of the fourth century B.C.[34] And for the employment of pointing we have no evidence before late Hellenistic and Roman times[35] (cf. fig. 436[36]), when it appears to have been extensively used. The thousands of Roman copies of Greek works we have today were doubtless produced in this way.

---

[29] Pausanias IX. 4. 1.

[30] *Ibid,* 10. 2 tells of such a statue of Athena by Pheidias, and Vitruvius II 8. 11 of one by Leochares.

[31] Dickins, *Hellenistic Sculpture,* p. 22.

[32] Poulsen and Rhomaios, *Erster vorläufiger Bericht über die dänisch-griechischen Ausgrabungen von Kalydon* in *Historisk-filologiske Meddelelserudgivne af det kgl. Danske Videnskabernes Selskab,* XIV, 3, p. 67 et passim.

[33] That is, a number of points are marked on the cast, transferred to the stone block, and then drilled in to the required depth; whereupon the superfluous marble is cut away until the points are reached.

[34] *N.H.* XXXV. 153: Idem et de signis effigies exprimere invenit, crevitque res in tantum, ut nulla signa statuaeve sine argilla fierent, "He also discovered how to take casts from statues, a practice which was extended to such a degree that no figure or statue was made without a clay model." The passage has been much discussed, some authorities referring *idem* to (the previously mentioned) Boutades, on account of the next statement: "Hence it is clear that the art of clay modeling is older than that of

Use of a Clay Model

The first mention by ancient writers[37] of clay models for statues is that of Arkesilaos and Pasiteles, both sculptors of the first century B.C.: "[Marcus Varro] also praises Arkesilaos . . ., for whose clay models [proplasmata] artists would pay more than was given for the finished works of others. . . . Varro further praises Pasiteles who said that modeling was the mother of chasing, statuary, and sculpture, and who, though he excelled in all these arts, never executed any work without first making a clay model."[38] Possibly the latter was the first to introduce the practice of copying a full-size model exactly.[39] At all events the specific mention of Pasiteles as never executing a work without first making a clay model suggests that he was a pioneer in that field. It would seem therefore that the Greek sculptor during his best periods cut into his marble block free-hand. That is, while the modern artist creates his figures by the successive addition of lumps of clay on an armature that admits of bending in any direction (fig. 434), the Greek artist worked his by hewing off layer after layer from his rigid block of stone. The Greek worked from the outside in,[40] the modern artist from the inside out.[41]

---

bronze casting." Pliny has clearly mixed up his sources somewhat. Cf. S. Reinach, *Rev. arch.*, XLI, 1902, pp. 9 ff.; Brunn, *Geschichte der gr. Künstler*, I, pp. 402 f.; also Plutarch, *De sollertia animalium*, p. 36 (discussed by S. Reinach, *Rev. arch.*, II, 1902, pp. 5 ff.), who speaks of casting a statue of Kore for Ptolemy Soter (end of fourth century B.C.). Actual plaster moulds of the Hellenistic period have been found from time to time; cf. Rubensohn, *Hellenistisches Silbergerät in antiken Gipsabgüssen* and the references there cited on pp. 3–5.

[35] Furtwängler, *Statuenkopieen im Altertum*, p. 21, note 4, gives a list of statues in which puntelli are still visible, none of them earlier than the first century B.C. Cf. also E. A. Gardner, *J.H.S.*, 1890, p. 142, note 1; and Blümel, *Griechische Bildhauerarbeit*, pls. 33, 34a, b, d, 35a, b. Blümel (pp. 30 ff.) points out that the ancient method of pointing was not nearly so thorough as it is today; only a few salient points were obtained while today three or four hundred points may be placed on one head so that the work becomes entirely mechanical.

[36] National Museum, Athens, No. 245.

[37] The τύποι of Timotheos, by some interpreted as models, were more probably reliefs; cf. p. 275. The horse modeled by Athena (fig. 431; cf. also Furtwängler und Reichhold, *Griechische Vasenmalerei*, pl. 162, 3) on an Athenian red-figured vase in Berlin was probably for a bronze statue.

[38] Pliny, *N.H.* XXXV. 156.

[39] Cf. Kekulé, *Die Gruppe des Künstlers Menelaos*, pp. 19 ff.; Furtwängler, *Statuenkopieen*, p. 21.

[40] This applies of course only to stone (and wood) sculpture; in bronze and terracotta statues the techniques require the reverse process.

[41] Some sculptors of today have reverted to the old method of stone-cutting; e.g.,

To this different approach is largely due the difference in their conceptions. Greek marble sculpture, especially during the early period, is compact and unified, the mass being conditioned by the block of stone. Modern sculpture having no such restrictions is often composed in a variety of directions, and so is more elastic, but also generally more confusing. For a restricted, unified depth makes for a quiet, restful impression.[42]

That the Greek sculptor did not mechanically translate clay models into stone does not of course mean that he made no use at all of preliminary models and sketches.[43] The Greek artist was essentially painstaking. He loved precision, interplay of proportion, harmonious composition. Polykleitos wrote a book on proportion and embodied his theories in a statue.[44] And other sculptors were engrossed in the same subject.[45] Even vase-painters made preliminary sketches of their designs with many corrections. How can we imagine, then, Greek sculptors taking blocks of stone and hewing into them without a carefully worked out scheme? Especially in the creative periods of the fifth and early fourth centuries B.C. such preparatory experimentation would seem essential. And if probable in the production of single statues it is even more likely in that of architectural sculpture, the great pediments and metopes and continuous friezes which together had to form a harmonious whole. In the building accounts of the Erechtheion are entries of wages paid to a number of sculptors who executed single figures in the con-

---

R. Laurent of New York and Eric Gill and Frank Dobson of England. Hildebrand in his *Problem der Form* recommends it to his fellow artists.

[42] Cf. p. 27.

[43] On this subject, cf. Johansen, *Arch. Anz.*, 1923–1924, pp. 141 ff. (he assumes life-size clay models, but does not take into account the literary evidence); and Blümel, *Griechische Bildhauerarbeit*, pp. 24 ff. (he proposes models about half life-size for the Parthenon pediments [p. 33] and large drawings for the Parthenon frieze [p. 34]). Personally I hesitate to assume large, carefully worked out models for the reason admirably stated by the English sculptor, Eric Gill, in his *Sculpture, An Essay on Stone Cutting* (1924), pp. 26 f.: "It is not desirable to make exact models in clay, because the sort of thing which can be easily and suitably constructed in clay may not be, and generally is not suitable for carving in stone. . . . Modeling is a process of addition; whereas carving is a process of subtraction. The proper modeling of clay results in a certain spareness and tenseness of form and any desired amount of 'freedom' or detachment of parts. The proper carving of stone results in a certain roundness and solidity of form with no detachment of parts. Consequently a model made to be full size of the proposed carving would be, if modeled in a manner natural to clay, more of an hindrance than a help to the carver, and would be labour, and long labour in vain. . . . The finished work is not a piece of carving but a stone imitation of a clay model." Greek Sculptures all seem "thought out" in stone.

[44] Cf. p. 245.

[45] Cf. p. 117, note 1.

tinuous frieze.[46] In the building accounts of the Parthenon are recorded the wages paid to "the sculptors" (perhaps ten) of the pediments in the year 434–433.[47] Surely such sculptors, however able, must have worked from a design created by a single artist. That no such sketches and models have survived is natural, for they would have been executed in wax[48] or perishable clay[49] (as is customary nowadays [cf. fig. 435] and was in the Renaissance[50]), or drawn on equally perishable papyrus.

USE OF A LIVING MODEL

The use of a living model was certainly not the rule with Greek sculptors; at least there is little mention of it. Only occasionally in a later period is the opinion expressed that a certain woman served as a model for a particular statue; for instance, Athenaios[51] tells us that Phryne was the model for the Aphrodite of Knidos while Clement of Alexandria[52] states it was Kratine. During the earlier period when naturalism was a secondary object sculptors studied the systems evolved by previous artists rather than nature directly. Quintilian[53] states that sculptors took the Doryphoros of Polykleitos as a model; and Pliny[54] tells us how much impressed Lysippos was with an answer by Eupompos: "That artist, when asked which of his predecessors he followed, pointed to a crowd of men and replied that Nature herself and no artist was the true model"—evidently an unusual attitude before that time. On the other hand, the custom of athletes' stripping for their exercises gave the sculptor plentiful opportunities of studying the human figure; and his great interest in it is attested by the whole history of Greek sculpture and its constant development toward greater naturalism. In the Hellenistic period when the study of anatomy became absorbing, the use of the living model by artists must have become inevitable.

CUTTING

The tools used by the Greek sculptor[55] in the carving of his blocks seem to have been much the same as those employed today: viz., chisels of various shapes and sizes worked by the help of a mallet (cf. figs. 439–441). The procedure of modern stone-cutters[56] is as follows: the pointed chisels (the punch or point) are first used for the trimming of the stone into the general shape of the statue, then the claw chisels (with dentated edge) for the removal of the outer layers of the stone; and as one approaches nearer and nearer to the final surface the finer ones are required—the round and the more delicate claw chisels; lastly, for smoothing out the surface, the straight chisel, files, and soft stones. A polish can be added by rubbing with sand. Greek practice was similar. Several unfinished statues in Athens and elsewhere show the marks of these tools[57] (cf. figs. 433, 436, 437) and throw interesting light on the processes employed. Apparently in the earlier periods the use of straight and rounded chisels was confined to the rendering of folds of drapery and of locks of hair, while the pointed and claw chisels were used for carving the rest of the figures,[58] and soft stones and emery were employed for smoothing the surface.[59] In the later fifth century and certainly from the fourth century onward the straight chisel was used also on the nude parts for the final smoothing.[60] A comparison between the slightly rough surfaces of the earlier marbles and the smooth texture of later sculptures will bear this out.

---

[46] *I. G.* I, 324 c, d; Loewy, *Inschriften,* No. 526; Stuart Jones, *Selected Passages,* No. 159; Stevens, Paton, etc., *The Erechtheum,* p. 389. The average price paid for a single figure is 60 drachmas. We must remember that the frieze is small in scale, about two feet high. Cf. p. 101.

[47] Cf. p. 230, note 127.

[48] We know definitely that the models of rosettes for the Erechtheion were made in wax; cf. Stevens, Paton, etc., *op. cit.,* p. 395.

[49] The little terracotta reliefs, thought by Waldstein (*Essays on the Art of Pheidias,* pp. 212 ff., pls. IX, XI, XIII) to have served as models for the frieze, are clearly modern forgeries.

[50] Cf. Vasari's *Life of Garofolo* (*Sansoni, Milanesi*), VI, p. 464: "Fece modelli di terra per veder meglio l'ombre ed i lumi."

[51] Δειπνοσοφισταί XIII. 59.

[52] Προτρεπτικὸς πρὸς Ἕλληνας IV. 47.

[53] V. 12. 21.

[54] *N.H.* XXXIV. 61.

[55] Cf. on this subject Blümner, *Gewerbe und Künste,* II, p. 194 and III, p. 192;

The simple drill (*Stichbohrer*) was known from early times, as we learn from the drill holes for the attachment of earrings and other ornaments in early archaic sculptures.[61] The running drill (*laufender Bohrer*)—probably in the form of a bow-drill—must have been introduced at least as early as the first half of the fifth

---

E. A. Gardner, *J.H.S.*, 1890, p. 137, fig. 3; Dugas in Daremberg and Saglio, *Dictionnaire, Sculptura*, p. 1138; Blümel, *Griechische Bildhauerarbeit*, pp. 1 ff.

[56] I had the great advantage of joining a class in stone-cutting under Mr. Robert Laurent at the Art Students' League in New York which gave me a new insight into this subject.

[57] E. Gardner, *The Processes of Greek Sculpture*, as shown by some unfinished statues in Athens, *J.H.S.*, 1890, pp. 129 ff.

[58] Cf. Blümel, *op. cit.*, pp. 3 ff.

[59] Plutarch, *Discr. adul. et amic.* 34, 74 E, refers to the smoothing and polishing of statues; cf. also Pliny, *N.H.* XXXVI. 53 and 54.

[60] Blümel, *op. cit.*, contradicts himself somewhat in his statements on this point. He sees traces of the straight and rounded chisels on fourth-century sculptures (pp. 16–17, 54–55 [on body of horse]) but in his anxiety to prove the Hermes of Olympia a Roman copy he tries to confine its use to draperies. The smooth surfaces of the bodies of fourth-century finished statues show conclusively that the straight chisel must have been used.

[61] Homer refers to such a tool, τέρετρον and τρύπανον, in the working of wood.

century,[62] for traces of the grooves it produces are visible on such monuments as the three-sided relief in Boston (fig. 477) and the girl with the pigeons in New York (fig. 426). The deeply carved folds of the Parthenon sculptures show extensive traces of its use[63] and could indeed hardly have been produced without it.

It is interesting to observe the treatment by the Greek sculptor of the backs and other parts of his marble[64] figures when they did not show. As a general rule he seems to have carefully finished only those portions which were visible. When a marble statue was exposed to view where it could be seen from all sides it was equally finished all around. But when a statue was seen only from the front or the side, not from behind, as in the pediment figures, the back did not generally receive the same attention (fig. 442). The tool marks were often not removed and even the modeling is sometimes only cursory; but the composition of each figure as a whole was carried out. On the other hand there are instances when the backs are beautifully worked even when they did not show, as in the Aigina and the Parthenon pediments (cf. fig. 70). Single statues when intended to be placed against the wall or where the back was not seen are likewise often unfinished behind. We may mention as examples the Hermes of Praxiteles (fig. 444), the Zeus of Mylasa,[65] and the standing youth in Boston.[66] The backs of grave stelai in the Kerameikos in Athens are likewise left quite rough (fig. 438). In reliefs the receding planes are often superficially worked, especially in the grave monuments. In other words the attitude of the Greek sculptor was the same as that of the Greek potter—he did not waste labor where it profited nobody.[67]

PIECING

Nowadays a sculptor generally makes his statue out of a single block. The Greeks—perhaps on account of the difficulty of transportation—used smaller blocks and pieced them. The parts were skilfully joined by means of marble tenons fitting into mortises, or two smooth surfaces were secured with metal dowels or, when the addition was small, merely with cement.[68] The archaic statues of the Akropolis are almost all made in several pieces,[69] the arms and heads often separate from the bodies, and fastened to one another by means of large marble tenons and mortises secured with molten lead or lime[70] (cf. figs. 270, 272); likewise parts of the drapery, locks of hair, etc. And this practice is general in Greek art at all periods.[71] Many statues show the original dowel-holes—sometimes with the iron or bronze dowels still adhering—by which the arms, heads, etc., were originally attached. A good example is the statue in New York[72] signed by Zeuxis (fig. 445) in which the attached parts have all become separated. There is a large mortise for the insertion of the head and neck; the arms and the right foot were fastened by iron dowels; and part of the left foot was attached with cement or lime. Many heads which have become separated from their bodies were worked to fit into large hollows (cf. fig. 443[73]). The top of the head is sometimes separate from the rest, the two surfaces being smoothed to fit and kept in place by small dowels.[74] This accounts for such parts being often missing (cf. fig. 446).

---

[62] The bow-drill was known in Egypt at least as early as 1200–1000; cf. the drill caps of diorite and bone from Lisht in the Metropolitan Museum.

[63] I have been able to observe these both on the pediments (especially on the "Fates") and on the frieze (especially on the maidens and deities of the east side). Others deny the use of the running drill on the Parthenon figures; cf. Puchstein, *Arch. Anz.*, 1890, p. 110. Cf. on the use of the drill also de Villefosse in Daremberg and Saglio, *Dictionnaire*, under *Terebra*, and Blümel, *Griechische Bildhauerarbeit*, p. 15. For the tradition that Kallimachos "was the first to bore marble," see p. 240.

[64] A bronze figure was naturally finished throughout.

[65] Caskey, *Catalogue of Sculpture in the Museum of Fine Arts, Boston*, No. 25.

[66] *Ibid.*, No. 41.

[67] The insides of amphorae and hydriai are left unturned, for they did not show; those of kylikes and kraters, which were exposed to view, are always carefully finished; on this subject, cf. my *Craft of Athenian Pottery*, p. 14.

Occasionally the piecing is not original but was done later as a repair. An excellent example of such an ancient repair is seen on the figure from Laurion in the Metropolitan Museum[75] (figs. 448, 449); here the head and left arm are worked in separate pieces in a style later than the rest of the figure; the outline of the hair of the original archaic head can still be seen at the back (fig. 448). The Kore No. 670 in the Akropolis Museum—of Island marble—has the right sleeve repaired in Pentelic marble.

Occasionally the piecing is in different materials. In the Selinus metopes the head, hands, and feet of the female figures are of marble, the rest of coarser limestone[76] (fig. 410). In the girl from Anzio,[77] (fig. 336) and the Demeter of Knidos[78] (fig. 315) the heads are of a finer marble than the rest of the figures.

---

[68] Cf. Treu, *Jahrbuch,* 1895, p. 8.

[69] All except the statue by Antenor; cf. Lechat, *Au Musée de l'Acropole,* pp. 227 ff.

[70] Cf. Lechat, *op. cit.,* p. 228.

[71] Cf. on this subject the list of references given by Dugas in his article, *Sculptura,* in Daremberg and Saglio, *Dictionnaire,* p. 1144.

[72] Metropolitan Museum, *Bulletin,* 1910, pp. 234–235.

[73] *Ibid.,* pp. 276–278.

[74] E.g., in the head of a girl from Priene, British Museum No. 1153, the Chios head in Boston, etc.; cf. also the instances in the Louvre cited by Héron de Villefosse, *Monuments Piot,* I, p. 72, note.

[75] *Handbook* (1930), p. 240, fig. 165.

Addition of Accessories in Other Materials

A general practice also was the addition of accessories in different materials. The eyeballs, though generally painted on a smoothed surface, were occasionally inset, probably in ivory, stone, or glass. Early examples are No. 682 of the Akropolis figures, the Antenor statue, No. 681 (fig. 273),[79] and a head from an archaic grave relief in the Metropolitan Museum[80] (fig. 447). A fragment of a head in the British Museum[81] has likewise hollow eye-sockets. In bronze heads the inset eyeballs of glass or bone are occasionally still in place (cf. fig. 451).[82] Sometimes the eyelashes were worked separately in little bronze plates with dentated edges[83] (figs. 454, 450). Locks of hair were occasionally made in bronze or lead;[84] necklaces and earrings and the ornaments of diadems, sometimes even the diadems or wreaths themselves, were added in bronze or gold.[85] In these cases they have of course generally disappeared, only the holes for their attachment remaining (cf. fig. 452); but occasionally they are still preserved.[86] The spears and swords, the reins and bridles of horses, and the sceptres were often added in metal (wholly or in part) or painted on the background of the reliefs. The holes for their attachment show their former presence. The Siphnian, Parthenon, and Mausoleum friezes,

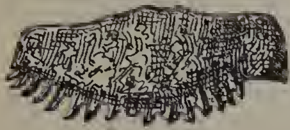


Fig. 454. Bronze plate with eyelashes for insertion in a statue
Delphi Museum

---

[76] Benndorf, *Die Metopen von Selinunt,* pp. 41 f.

[77] Helbig, *Führer,*[3] II, No. 1352.

[78] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1300.

[79] Cf. Lechat, *Au Musée de l'Acropole,* p. 242.

[80] Metropolitan Museum, *Bulletin,* 1913, p. 174.

[81] Smith, *op. cit.,* I, No. 328.

[82] Metropolitan Museum, *op. cit.,* 1924, pp. 70–71.

[83] Such separate plates belonging to bronze statues have been found at Delphi (*Fouilles de Delphes,* V, p. 43, No. 87, fig. 131). The Delphi Charioteer has them still in place; so has the marble statue of Antenor (No. 681 in the Akropolis Museum), and the bronze Hellenistic head in Copenhagen, *Ny Carlsberg fondet,* 1902–1927, p. 48 (= our fig. 450).

[84] Cf. Amelung, *Oest. Jahresh.,* XI, p. 179 (a head of Athena); also on some of the Akropolis Maidens, cf. Lechat, *op. cit.,* p. 236, Nos. 8 and 9 and footnote 2; and on a male head in the Akropolis Museum, No. 657 (*Ath. Mitt.,* 1882, pl. IX, 1, p. 193).

[85] Cf., e.g., the examples of Akropolis Maidens cited by Lechat, *op. cit.,* pp. 209, 212–213. The Agorakritos Nemesis has holes in the diadem for the attachment of figures (see p. 239).

[86] E.g., in the head from Delos in the National Museum, Athens, No. 23; cf. *B.C.H.,* III, 1879, pl. VIII, 1.

the Aigina and Olympia sculptures, and the figures of the "Alexander sarcophagus" were so provided. The Thasos reliefs in the Louvre[87] still have bronze pegs for the additions of the kerykeion of Hermes, the wreaths of the nymphs, and the strings of the lyre of Apollo (cf. fig. 453). The cheek-pieces and other parts of helmets were often separately attached, as we learn from the Aigina sculptures.

(*c*) *Color*

Such accessories in various materials are conceivable only in painted sculpture. And this brings us to what is probably the greatest difference between ancient and modern statues—the use of color. Nowadays the rule is to leave the marbles, limestones, and woods we use in their original finish; only occasionally of late have we taken to painting the surface. But Greek sculpture throughout its career was painted,[88] irrespective of whether its material was limestone, terracotta, wood, or marble. If this thought comes to us at first as somewhat of a shock, let us remember that unpainted sculpture is a recent taste. The universal practice in olden times was to paint sculpture.[89] The Egyptians had done it before the Greeks, the Etruscans and Romans copied it from their predecessors, and the Gothic sculptors carried on the tradition.[90] It was only in the Renaissance when taste reverted to classical sculpture—which had in the meantime lost its color—that unpainted figures were produced.[91] And we have inherited this taste from our more immediate past.

---

[87] Rayet, *Monuments de l'art antique,* I.

[88] On this subject see especially Collignon, *La Polychromie dans la sculpture grecque,* in *Revue des Deux Mondes,* 15 fev., 1895, pp. 845–846; Girard, *La Peinture antique,* p. 282; Treu, *Sollen wir unsere Statuen bemalen?;* also *Jahrbuch,* 1889, pp. 18 ff., 1895, pp. 25 ff.; E. Robinson, *Did the Greeks Paint their Sculptures?* in the *Century Magazine,* XLIII, 1892, pp. 869 ff.; *Museum of Fine Arts, Boston, The Hermes of Praxiteles and the Venus Genetrix, Experiments in Restoring the Color of Greek Sculpture,* by Joseph Lindon Smith, described and explained by Edward Robinson (1892). On the technical side, cf. Berger, *Die Maltechnik des Altertums* (1904), pp. 49 ff.; Laurie, *Greek and Roman Painting* (1910), pp. 104 ff., and *The Materials of the Painter's Craft* (1910); Eibner, *Entwicklung und Werkstoffe der Wandmalerei* (1926), pp. 67 ff.

[89] On the pigments used by the ancients, cf. especially A. Reinach, *Textes grecs et latins relatifs à l'histoire de la peinture ancienne,* pp. 8 ff., and Laurie, *Greek and Roman Painting,* pp. 9 ff. They knew the earth colors—the yellow and red ochres, terre verte, and probably the siennas and umber; also white earth, blue carbonate of copper, and artificial pigments. From a simple palette they proceeded to a more and more complicated one. "Painters had a very complete palette at their command, a palette which remained the same, with a few modifications right through the history of painting and up to the dawn of modern chemistry" (Laurie, *op. cit.*—judging apparently from Hellenistic and Roman paintings rather than from the earlier Greek).

[90] Post, *A History of European and American Sculpture from the Early Christian Period to the Present Day,* I, pp. 31 f. and 59.

So much of Greek sculpture is architectural—and we know that Greek architecture was painted—that it would indeed be inconceivable that the statues and reliefs should not have conformed to the general scheme. Moreover, in the brilliant Greek light and at the height from which they were seen the differentiation of color was essential. But since comparatively few Greek sculptures have their color preserved,[92] we must examine the evidence carefully to form a proper picture.

On Wood

That wooden figures were entirely painted is likely since their surfaces needed protection from the atmosphere. An inscription from Delos of the third century B.C.[93] shows that the wooden statue offered annually to Dionysos was painted.

On Limestone

That the whole surface of limestone sculptures was painted we know sufficiently from the painted Akropolis groups (figs. 376–380) and the statues and reliefs from Cyprus.[94] The chief colors used[95] were blue and red; yellow, brown, black, and white occur in smaller washes; also green.[96] The coloring is conventional, bulls, horses, beards often appearing blue, merely for their general effect, not to imitate nature.

On the tufa metopes of the temple C of Selinus[97] numerous color traces could be distinguished, especially when they were first unearthed (1822–1823). Again the predominant colors were red, blue, and yellow, with occasional green, and touches of black and white.

On Terracotta

Terracotta sculpture, like limestone, was wholly painted. Some of the archaic sculptures from the Athenaion in Syracuse give us a good idea of the brilliance of this coloring.[98] A fragment of a terracotta statue in New York[99] (fig. 460) has numerous traces of color left. The terracotta statuettes which have come down to us in such large numbers were all originally painted. They were first covered entirely with a white engobe and over this the colors were added. The garments show a variety of bright shades—blue, red, pink, yellow, brown, violet, and, rarely, green. The color of the flesh where preserved is generally reddish or pinkish,[100] of the hair auburn brown, of the lips red, of the eyes blue. Gilt and black appear for details. Unfortunately the white coating has largely flaked off and with it the colors, leaving only the drab terracotta surface. Originally the impression was colorful and gay.

---

[91] Though many Renaissance figures, especially those in wood and terracotta, are of course also colored.

[92] This loss is easily explained by the nature of the mediums used by the ancients (gum, glue, and white or yolk of egg). "Such mediums can all be dissolved and mixed with water, and while serving to attach the pigment do not really protect it from attack by air or moisture or prevent its easy removal" (Laurie, *Greek and Roman Painting,* p. 18). The quick disappearance of the colors after the discovery of the sculptures also indicates their temporary character.

[93] Homolle, *B.C.H.,* 1890, pp. 396, 502.

[94] Myres, *Handbook of the Cesnola Collection,* p. 131.

[95] The same palette of colors is found in Egyptian sculpture.

[96] What today appears green is sometimes blue which has turned green. On the Persian rider in the Akropolis Museum, however, we find green and blue.

[97] Benndorf, *Die Metopen von Selinunt,* pp. 42–43.

[98] Cf. Orsi, *Monumenti antichi,* XXV, 1918, pls. XVI, XVII.

ON MARBLE

Archaic Period

We can form some idea of the use of color in archaic marble statues from the Akropolis figures found in the "Persian debris."[101] Being safely hidden away not so long after their creation they have retained at least some of their colors in fair condition (figs. 270–272).[102] At present only a portion of the surface is painted; that is, the color is confined to parts of the head (the hair, the eyes, the lips, and such accessories as earrings and diadems) and to the embroidered bands and ornaments of the drapery; and it is used as a solid wash on a garment generally only when a small part of it shows. Probably the flesh parts and the rest of the drapery were originally covered with a delicate wash which has now disappeared; for the glaring white marble would not harmonize with the rest of the color scheme. The clear definition of these archaic sculptures with their sharply marked boundaries made the use of color doubly effective. In fact it is possible that the employment of color in its turn influenced the precision of individual forms, for instance of the lips and eyes.[103]

Besides the Akropolis figures numerous other archaic marble figures show remains of color. In the metopes of the "Sikyonian" Treasury at Delphi (cf. fig. 404) color traces are preserved on the figures but not on the background: e.g., dark red on the draperies of Europa and the Dioskouroi.[104] On the standing maiden in Berlin (figs. 267–269) the color is still vivid in places—red on the chiton, yellow on the mantle, yellow on the hair, blue, red, and yellow on the meander border.[105] On a fragment of a head from Ephesos there are remains of red on the skin and black on the hair.[106] The frieze of the Siphnian Treasury in Delphi (cf. figs. 418, 419) retained much of its original color scheme when first found—blue on the background, blue, green, and red on the figures.[107] The statuette of a scribe, No. 144 in the Akropolis Museum, has traces of red on the flesh parts. A sphinx, the finial of a grave monument in the Metropolitan Museum, has red and blue on the incised feathers of its wings.[108] The Naxian sphinx at Delphi was likewise gaily colored.[109] One of the newly found statue bases in Athens (fig. 283) has preserved much of its red background. On archaic grave reliefs we often see some color (generally red) still adhering to the background or the hair.

---

[99] Metropolitan Museum, *Bulletin*, 1925, p. 15, fig. 3.

[100] Cf., e.g., Acc. Nos. 06.1096 and 14.146 in the Metropolitan Museum.

[101] After the havoc wrought by the Persians on the Akropolis the Athenians determined to erect new monuments and so buried the old broken statues in convenient pockets on the hill (p. 7).

[102] The colors have faded somewhat since the figures were first found. The casts in the Metropolitan Museum have been colored by M. E. Gilliéron from the original sketches made by his father shortly after their discovery in 1880.

[103] On this point, cf. Solon, *Polychromy*, pp. 122 f., 130.

Fifth Century

No fifth-[110] or fourth-century statue has survived with its colors at all well preserved. But traces of paint have been observed, for instance, on the Aigina marbles (cf. figs. 388, 389),[111] on the seated goddess in Berlin (fig. 65),[112] on the Olympia pediments and metopes (cf. figs. 390–393, 414),[113] the gravestone of Philis in the Louvre,[114] the frieze of the "Theseion" (cf. fig. 293),[115] and the charming little votive relief from Eleusis dating from about 400[116] (fig. 461). There is no certain evidence of color having been found on the sculptures of the Parthenon,[117] a fact which is not surprising considering the long period during which they were exposed. On the frieze[118] and statues[119] of the Mausoleum, however, the traces of color were unmistakable; likewise on the hair and sandals of the Hermes by Praxiteles[120] (fig. 664). On a few fragments of the fourth-century sculptures of Ephesos there are remains of color including some on the skin.[121] Several fourth-century Athenian grave stelai show extensive remains of color.[122] For instance, the monument of Aristonautes[123] has red on the inside of the shield, green near the shoulder straps, and blue on the background; that of Prokleides[124] has traces of a red background and blue on the drapery. Finally the reliefs of the rock tomb at Myra in Lycia (probably fourth century) when found had their colors beautifully preserved.[125] One of these has a blue background, violet, red, and yellow draperies, and flesh-colored nude. Another has a red background, violet drapery, a yellow couch with blue and red ornaments, and again flesh-colored nude.

---

[104] Poulsen, *Delphi,* pp. 81, 88.

[105] Wiegand, *Berliner Museen,* 1926, 2, p. 18.

[106] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 93.

[107] Poulsen, *op. cit.,* p. 141.

[108] Metropolitan Museum, *Bulletin,* 1926, p. 129, fig. 4.

[109] Poulsen, *op. cit.,* p. 100.

[110] Except of course the early fifth-century figures from the Akropolis like the "Boudeuse" and the Blond Boy (Nos. 686 and 689).

[111] Furtwängler, *Aegina,* pp. 300 ff., e.g., red on the whole of the mantle of Athena of the eastern pediment, blue and red on the scales of her aegis, blue on some of the helmets, red on the inside of the shields, etc.

[112] Wiegand, *Antike Denkmäler,* III, p. 46; no actual colors are preserved, but incised decorations and weathering show their former presence.

[113] Cf. Treu, *Jahrbuch,* 1895, pp. 25 ff., e.g., red on the mantle of Apollo (the whole garment was evidently painted, forming an effective background for the nude figure) and on some of the horses' tails; red on various parts of the metope figures, blue on their background.

[114] Prachov, *Annali dell'Instituto,* 1872, p. 186, e.g., a pinkish tone on the flesh, especially on the cheek.

[115] Sauer, *Das sogenannte Theseion,* p. 187: slight remnants of green, blue, and red on the garments, and blue on the background.

[116] Rodenwaldt, *Jahrbuch,* 1921, pp. 4 ff., pl. I: blue on the background, reddish brown on the hair, yellow on the veil of Demeter, red on the eyes, eyebrows, and contours of the figures.

Fourth Century

Hellenistic Period

Traces of color have likewise been found on Hellenistic and Roman sculpture. Of these the most important is the "Alexander sarcophagus" from Sidon in the Constantinople Museum[126] (fig. 748). On its reliefs representing battle and hunting scenes are the most varied hues of color—purple, violet, yellow, blue, and different

---

[117] Michaelis, *Der Parthenon,* pp. 124 f. (metopes), 156 f. (pediments), 226 f. (frieze).

[118] They were particularly vivid when first found. Newton (*Travels and Discoveries in the Levant,* II, p. 131) writes soon after their discovery: "The whole frieze was colored. From the examination of a number of fragments on their first disinterment I ascertained that the ground of the relief, like that of the architectural ornaments was a blue, equal in intensity to ultra-marine, the flesh a dun-red, and the drapery and armor picked out with vermilion and perhaps other colors." Cf. also Smith, *Catalogue of Greek Sculpture in the British Museum,* II, p. 97.

[119] Cf. Newton, *Halicarnassus,* II, 1, pp. 222, 232.

[120] Reddish brown on the hair and red and gilt on the sandal.

[121] In the British Museum: the lower part of the head of a youth, Inv. No. 74. 7–10.272 (gray on the flesh probably originally pink); the head of a girl, Inv. No. 1927. 2–14.1 (on the hair traces of brown, eyebrows and pupils brown, flesh pinkish). The latter is from Ephesos, but not certainly from the temple and perhaps of later date. I owe this information to F. N. Pryce.

[122] For a list of Greek stelai with color traces, cf. Brueckner in *Sachregister* of Conze, *Attische Grabreliefs,* IV, p. 142; and Rodenwaldt, *Arch. Anz.,* 1922, p. 170.

[123] Conze, *op. cit.,* pl. CCXLV, No. 1151.

[124] *Ibid.,* pl. CXLI, No. 718.

[125] Fellows, *Discoveries in Lycia,* third plate after p. 198 (colored). Colored casts of these reliefs are shown in the Mausoleum Room of the British Museum (Smith, *op. cit.,* No. 954).

[126] Cf. Hamdy-Bey and Th. Reinach, *Une Nécropole royale,* text and plates (some colored); F. Winter, *Alexander-Sarkophag* (colored plates).

Roman Period

shades of red and brown on the garments, not merely as borders but covering the whole surface; on the bodies some parts such as the hair and the iris are picked out in color. The flesh itself is covered with a light, transparent wash, light yellow for the Greek soldiers, a darker yellow for the Persians. On other examples there are more meagre traces. The old market woman in the Metropolitan Museum (fig. 219) has some deep red preserved on her sandal-strap and bright pink on her mantle. On a head of a girl from Priene[127] in the British Museum traces of red remain in the iris of the eye, the eyebrow, and the curls. The head of Athena in Berlin (fig. 602),[128] a Roman copy of the Athena Parthenos, has yellow on the helmet, red on hair and eyebrows, dark brown on the iris. A female head in Athens,[129] a copy of a fifth-century work, still shows color on the hair and the eyes. Another head from the Esquiline in the British Museum[130] (fig. 459)—a Roman copy of a fourth-century Greek original—has copious traces of red and yellow on the hair and, what is specially interesting, pink on the skin. The statue of Augustus from Primaporta in the Vatican has remains of a richly variegated color scheme.[131] Finally we may mention a wall-painting from Pompeii in which a woman is actually represented painting a piece of sculpture.[132]

Ganosis

In addition to painting there is another process which we hear of in antiquity, that of γάνωσις or κόσμησις. Vitruvius[133] gives the following account of it: "Though it [red[134]] keeps its color perfectly when applied in the polished stucco finish of closed apartments, yet in open apartments, such as peristyles and exedrae or other places of the sort, where the bright rays of the sun and moon can penetrate, it is spoiled by contact with them, loses the strength of its color, and turns black. . . . But if anyone should be more particular and should wish the red finish to retain its color he must, when the wall is polished and dry, rub over it with a stiff brush Punic wax melted and mixed with a little oil; and afterwards melt the wax by warming it and the wall at close quarters with charcoal enclosed in an iron vessel; and finally smooth it off by rubbing it down with a candle and clean cloths, as nude marble statues are treated. This is termed *γάνωσις* in Greek. The protecting coat of Punic wax prevents the light of the moon and the rays of the sun from licking up and drawing the color out of such polished finishing." Pliny[135] gives a similar description, again mentioning Punic wax, known for its purity,[136] and ends by saying: "as one treats marble figures to make them brilliant." Elsewhere Pliny[137] gives a receipt for Punic wax. Important is Plutarch's statement[138]: "The 'ganosis' of the statue is necessary, for the red ochre[139] with which the ancient statues are painted soon loses its color." Eloquent is also the derivation of γάνωσις: γανόω = to make bright, polish; γεγανωμένον = lacquered. In the inventories of Delian temples of the year 279 B.C. accounts appear for the articles used in the κόσμησις of statues which include sponges, nitre, oil, linen, wax, and perfume.[140] In some cases the oil is described as ἔλαιον λευκόν, white oil.[141] Clearly the object was to apply a colorless varnish over the whole surface for the preservation of the surface and especially of the colors. This is also borne out by the fact that in these same Delian inscriptions[142] salaries are paid for the κόσμησις of a figure in addition to those paid to the sculptor and the painter of the statue.

---

[127] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1153.

[128] *Antike Denkmäler,* 1886, I, pl. III.

[129] National Museum, No. 177; Wolters, *Jahrbuch,* 1899, pp. 143 ff.

[130] Cf. Treu, *Jahrbuch,* 1889, pp. 18 ff. and pl. I (colored).

[131] Amelung, *Die Skulpturen des vaticanischen Museums,* I, No. 14: "red and pink on the tunic and the mantle; the cuirass bordered with yellow and blue fringes; red, yellow, blue, pink, and brown on the ornamental relief; brown on the tree-trunk; reddish brown on the hair."

[132] Mau, *Pompeii* (1904), p. 282, fig. 133; Museo Borbonico, VII, 3. Cf. also Robinson, *Century Magazine,* XLIII, 1892, p. 883, where frescoes are mentioned with colored statues.

[133] *De arch.* VII. 9. 2–4: (Minium) cum est in expolitionibus conclavium tectoriis inductum: permanet, sine vitiis, suo colore. Apertis vero, id est peristyliis aut exhedris, aut ceteris ejusdem modi locis, quo sol et luna possit splendores et radios inmittere, cum ab his locus tangitur, vitiatur; et, amissa virtute coloris, denigratur, ... At, si qui subtilior fuerit, et voluerit expolitionem miniaceam suum colorem retinere, cum paries expolitus et aridus fuerit, ceram punicam igni liquefactam paulo oleo temperatam saeta inducat; deinde postea, carbonibus in ferreo vase compositis eam ceram a proximo cum pariete calefaciundo sudare cogat, itaque ut peraequetur; deinde tunc candela linteisque puris subigat uti signa marmorea nuda curantur. Haec autem γάνωσις graece dicitur. Ita, obstans cerae punicae lorica non patitur nec lunae splendorem, nec solis radios, lambendo eripere ex his politionibus colorem.

---

[134] *Minium,* though often translated by vermilion, is really red lead, Pb_3O_4, while vermilion is cinnabar, HgS (mercury). This information I owe to Prentice Duell. See also Baldinucci, *Vocabulario toscano dell' arte del disegno* (1681), p. 98, under *minio,* who describes it as made of lead and white lead.

[135] *N.H.* XXXIII. 122: Inlito solis atque lunae contactus inimicus. Remedium ut, parieti siccato, cera punica cum oleo liquefacta candens saetis inducatur iterumque admotis gallae carbonibus inuratur ad sudorem usque, postea candelis subigatur ac deinde linteis puris, sicut et marmora nitescunt.

[136] Pliny, *N.H.* XXI. 83. Cf. Treu, *Jahrbuch,* 1889, p. 23.

[137] *N.H.* XXI. 84: Punica fit hoc modo: ventilatur sub diu saepius cera fulva, dein fervet in aqua marina ex alto petita, addito nitro. Inde linpulis hauriunt florem, id est candidissima quaeque, transfunduntque in vas, quod exiguum frigidae habeat, et rursus marina decocunt separatim, dein vas ipsum aut aquam refrigerant. Et cum hoc ter fecere, juncea crate sub diu siccant sole lunaque. Haec enim candorem facit, sol siccat, et, ne liquefaciat, protegunt tenui linteo. "Punic wax is prepared in the following manner: the yellow (unbleached) wax is placed for a long time in the open air. Then it is boiled in sea water, obtained from the open sea, with *nitrum* added. Then the top, that is, the purest part, is skimmed off with a ladle and poured into a cool vessel. When this has been repeated three times, the wax is then dried on woven rushes in the sunlight and the moonlight. This process bleaches it. It is whiter still if it is boiled once more in the sunlight. The sun dries it without melting it and it is covered with a soft linen cloth."

[138] Quaest. Rom. 287 D: *ἡ δὲ γάνωσις τοῦ ἀγάλματος ἀναγκαία, ταχὺ γὰρ ἐξανθεῖ τὸ μίλτινον ᾧ τὰ παλαιὰ τῶν ἀγαλμάτων ἔχρωζον.*

[139] Τὸ *μίλτινον* or *ἡ μίλτος* should be translated by red ochre, "an earth colored by haematite (oxide of iron, Fe_2O_3)" (Duell).

Frequent applications of this oil and wax mixture were apparently necessary, for we hear of specialists known as κοσμηταί[143] who commanded considerable salaries. It is natural therefore that no trace of it now remains.

It has been suggested that this application "toned" the marble sufficiently to make the addition of color to the nude parts unnecessary.[144] Practical experiments do not bear this out. An application of Punic wax does not affect the color of the white marble sufficiently to make it harmonize with the painted hair, eyes, and mouth.[145] We have also seen that in the Mausoleum frieze, the Sidon sarcophagus, the Myra reliefs, and a few other pieces, actual colors on the nude parts were and sometimes are still visible,[146] and the same is borne out by the literary evidence in which the faint flush of the cheeks and a body color "not too white but just suffused with red" is referred to (see below). And in the related case of terracotta statuettes covered over their whole surface with a white engobe in imitation presumably of marble statues, the reddish or pinkish tone applied on the white for the flesh is often preserved; as also in the statues which appear on Roman frescoes and mosaics.[147] Furthermore in Egyptian sculpture where the original paint is often well preserved the skin is regularly colored, that of men reddish brown, that of women yellow; in Gothic sculpture the flesh is likewise painted. There seems no reason therefore not to assume a similar practice in classical Greek times. We must then interpret γάνωσις as an application over the colors for their better preservation.

---

[140] Homolle, *B.C.H.*, 1890, p. 498.

[141] *Ibid.*, p. 499.

[142] *Ibid.*, pp. 502–503.

[143] *Ibid.*, p. 500; 1882, p. 48.

[144] Cf., e.g., Gardner, *Handbook of Greek Sculpture*, pp. 29 ff.

[145] Richter, *Metropolitan Museum Studies*, I, pp. 25 ff.

[146] The fact that the hair and drapery have an uneven, often slightly roughened surface while the nude parts are smooth would help to account for the better preservation of the color on the former. This variety in finish admirably suggests the difference in texture between skin and hair or drapery.

[147] E. Robinson, *Century Magazine*, XLIII, 1898, p. 883.

Literary Evidence

The literary evidence on the subject shows that great emphasis was placed on successful coloring. Pliny[148] tells us that when Praxiteles was asked which of his statues he valued most he replied, "those to whom Nikias has put his hand. So much did he prize the *circumlitio*[149] of that artist." As Nikias was a famous painter[150] it is significant that he did not think it beneath him to paint statues. And this is borne out by an inscription from Delos of the third century B.C. which records equal sums paid to the sculptor of a statue and to its painter.[151] Furthermore Lucian[152] in his description of his ideally beautiful statue borrows not only various features from famous sculptors but apportions its painting among the most illustrious artists of antiquity. The passage is important, so we will quote it in full:

> "What do you think, Polystratos? Will the statue be beautiful?"
>
> "Yes, surely, when it has been completed to the uttermost detail: for there is still, despite your unexampled zeal, one beauty that you have left out of your statue in collecting and combining everything as you did."
>
> "What is that?"
>
> "Not the most unimportant, my friend, unless you will maintain that perfection of form is but little enhanced by color and appropriateness in each detail, so that just those parts will be black which should be black, and those white which should be, and the flush of life will glow upon the surface, and so forth. I fear we will stand in need of the most important features!"
>
> "Where then can we get all that? Or shall we call in the painters of course, and particularly those who excelled in mixing their colors and in applying them judiciously? Come then, let us call in Polygnotos and Euphranor of old, and Apelles and Aëtion. Let them divide up the work, and let Euphranor color the hair as he painted Hera's; let Polygnotos do the becomingness of her brows and the faint flush of her

---

[148] *N.H.* XXXV. 133.

[149] *Circumlitio* = "the application of color," literally "the besmearing all around."

[150] Cf. Overbeck, *Schriftquellen,* 1811 ff.

[151] Cf. Homolle, *B.C.H.,* 1890, p. 502.

[152] Εἰκόνες 6. 27.

cheeks, just as he did Kassandra in the Lesche at Delphi, and let him also do her clothing, which shall be of the most delicate texture, so that it not only clings close where it should, but a great deal of it floats in the air. The body Apelles shall represent after the manner of his Pakate, not too white but just suffused with red; and her lips shall be done by Aëtion like Roxana's. But stay! We have Homer, the best of all painters, even in the presence of Euphranor and Apelles. Let her be throughout of a color like that which Homer gave to the thighs of Menelaos when he likened them to ivory tinged with crimson; and let him also paint the eyes and make her 'ox-eyed.' The Theban poet, too, shall lend him a hand in the work, to give her 'violet brows.' Yes, and Homer shall make her 'laughter-loving' and 'white-armed' and 'rosy-fingered,' and, in a word, shall liken her to golden Aphrodite far more fittingly than he did the daughter of Briseus."

Another important testimony is the famous passage of Plato:[153] "If we were to paint statues and someone were to come and object that we do not employ the most beautiful colors for the most beautiful parts of the body; that, for instance, we do not paint the eyes vermilion, but black, we should think that we had answered the censor very well by saying to him: 'Do not think that we ought to paint eyes so beautifully that they cease to be eyes; and what I say of this part of the body must be understood of the others likewise.'" A passage in Plutarch[154] is equally eloquent: "They (the actors in a drama) are like toilet-makers and chair-bearers of a luxurious woman; or rather like the encausters and gilders and colorers of statues (ἀγαλμάτων ἐγκανσταὶ καὶ χρυσωταὶ καὶ βαφεῖς)."

We have abundant evidence, then, of every description—monumental, literary, and epigraphical—to show that coloring of sculptures in all materials was prevalent with Greek sculptors throughout their career. We cannot as yet trace its development stage by stage; but a comparison between the sixth-century Maidens and the fourth-century "Alexander sarcophagus" shows that progress was made in the direction of a more extensive palette, a more delicate harmony of tone, and a more naturalistic rendering; though doubtless thereby was gradually lost the highly decorative character of the archaic scheme with its greater vividness and precision. Whatever prejudices one may have against colored sculpture in theory, the fact remains that what has been actually preserved—from the

---

[153] *Republic* IV. 420 c.

[154] *De glor. Athen.* 6.

Akropolis Maidens to the "Alexander sarcophagus"—is so pleasing that it makes the white sculpture appear tame by comparison. And if we sense this in museums we can imagine that the contrast would be even greater in the glare of a Greek sun.

(*d*) *Mounting*

When a statue was completed it had to be set in place. If it was a single statue or relief it was mounted on a base, which was sometimes of an inferior material such as limestone. The shape of the base is generally rectangular or round; occasionally triangular (e.g., the Nike of Paionios[155]), or in the shape of a column (e.g., the Naxian Sphinx at Delphi[156] and the Euthydikos Kore in Athens[157]). It was regularly provided with a dedicatory inscription (cf. fig. 724) and occasionally with the signature of the artist. Now and then it was decorated with reliefs (cf. figs. 457, 723). The fastening was generally done by metal dowels secured with molten lead (fig. 458[158]); or the plinth of the statue was inserted into a corresponding depression in the base and fastened with molten lead.[159]

The early pediment figures are in relief, at first low (e.g., Corfu and Hydra pediments; figs. 374, 376) then high relief (e.g., "Bluebeard" pediment; fig. 378). The sculptures of the pediments of the Siphnian Treasury (fig. 382) and of the temple of Apollo at Delphi (figs. 381, 384, 386, 387) are partly in relief, partly in the round. The figures of the Eretria pediment were fastened with large dowels to the background (fig. 442). After that the figures stand free, e.g., in the Aigina and Olympia pediments and in the Parthenon (cf. fig. 70), and the plinths, with which they are now regularly[160] provided, are secured to the cornice with bronze clamps and leaden pegs.[161] The later pediment figures must have been carved before they were set up, since they are worked in the round. For such work, in so far as it had to be executed under cover, a temporary studio (ἐργαστήριον) near the temple was erected.[162] Certain changes had naturally often to be made after the figures were placed, and this was rendered easy by the practice of piecing.[163] The metopes were presumably also worked on the ground. With the continuous friezes the method varied. In the Parthenon the slabs seem to have been carved in situ, for they are of great depth and weight, and the risk to the reliefs in mounting would have been great; moreover the figures overlap from stone to stone. In the Phigaleia temple the slabs were clearly worked separately and then erected, for each has a complete composition, and occasionally when a piece protrudes the hollow into which it fitted is carved in the adjoining stone.

---

[155] Treu, *Olympia,* III, pls. XLVII–XLVIII.

[156] Poulsen, *Delphi,* p. 98, fig. 29.

[157] Akropolis Museum, Nos. 686 and 609.

[158] Metropolitan Museum, *Bulletin,* 1926, p. 128 and fig. 1.

[159] Cf., e.g., Nos. 609, 681, 624, 596 in the Akropolis Museum.

[160] The Epidauros figures are an exception.

[161] Furtwängler, *Aegina,* pp. 203–204, 206.

[162] We hear of such workrooms at Olympia, on the Akropolis, and at Epidauros.

Throughout great care was taken to calculate the effect of the sculptures at their proper height. The Parthenon frieze is carved in deeper relief at the top than at the bottom.[164] A comparison of the Nike of Paionios at the height she was intended for and when placed low down[165] (figs. 455, 456) gives us a realization of the importance of such a calculation. That some sculptors failed in this provision also in Greek times is brought out in the anecdote[166] of the contest of Pheidias and Alkamenes in a statue of Athena which was to be mounted on a high column; we are told that Alkamenes' statue was very delicate and greatly admired until it was set up, when the effect was entirely lost; while Pheidias' work was properly calculated to be seen at the height intended.

(*e*) *The Status of Greek Sculptors*

Our study of the methods employed by the Greek sculptor has brought him very near to us, and has made us feel interested in his life. What do we know of the conditions under which Greek sculptors lived? Very little. They were regarded of course as hand workers, like all artists in the old days; and this circumstance made their standing low in certain parts of Greece and in the estimate of some people. In the military state of Sparta no citizen was allowed to do any manual work[167]—and so Sparta has produced few artists. In the Roman period, as we might expect, artists were also despised. Plutarch[168] gives out this sentiment: "Labor with one's own hands on lowly tasks gives witness, in the toil thus expended on useless things, to one's own indifference to higher things. No generous youth, from seeing the Zeus at Pisa, or the Hera at Argos, longs to be Pheidias or Polykleitos; nor to be Anakreon or Philetas or Archilochos out of pleasure in their poems. For it does not of necessity follow that if the work delighted you with its grace, the one who wrought it is worthy of your esteem." The same sentiment prevailed in England a generation or two ago when the church, the army, and the navy were the only professions open to a gentleman. But it is a mistake to generalize for the whole of Greece at all periods from such sentiments; just as it would be misleading to generalize for the modern outlook from English nineteenth-century prejudices. Solon passed a law against idleness in accordance with which every citizen had to declare his means of livelihood,[169] and he thereby set his seal on respect for work of all kinds. In Athens artists, at least the prominent ones, were certainly in high standing. Many of them belonged to the citizen class. They became intimate with the mighty. Pheidias and Perikles were close friends.[170] The sister of Kephisodotos the Younger, the son of Praxiteles, married Phokion, a member of a distinguished old family.[171] The same Kephisodotos filled the functions of a trierarch,[172] which required considerable wealth. Nikias, the painter, was accorded a public funeral.[173] Moreover, the prices paid to sculptors were comparatively high—not a bad criterion of contemporary appreciation. Each small figure in the Erechtheion frieze cost about sixty drachmas[174] (at a time when the wage of a skilled workman was one drachma a day[175] and the value of silver was about seven or eight times what it is today[176]). For the three Epidauros akroteria, all executed in one year by one man, the payment amounted to 3,010 drachmas.[177] A little later (in the time of the philosopher Diogenes) we hear of 3,000 drachmas being paid for a single statue.[178] Naturally in Roman times collectors paid huge prices—500 talents, for instance, for the colossal statue of Apollo by Kalamis;[179] but that was mostly for "antiques." That some of the artists were highly educated men we can surmise from the facts that they wrote books on symmetry and proportion,[180] and that many of them combined several artistic professions, being at one and the same time architect and sculptor,[181] or sculptor and painter,[182] or sculptor and silversmith,[183] etc., just as was customary in the Renaissance.[184] We can imagine, then, the Greek sculptor as leading a pleasurable existence; gifted as few human beings have ever been, absorbed in his work and its many problems, and honored by an appreciative public.

---

[163] Treu, *Jahrbuch,* 1895, p. 20.

[164] The depth in the Parthenon frieze is 5½ cm. top, 3½ cm. below (Dinsmoor).

[165] Cf. Treu, *Olympia,* III, p. 192, figs. 223–224.

[166] Tzetzes, *Chil.* VIII. 353 ff.

[167] Xenophon, *Lac. resp.* VII. 1–2.

[168] *Perikles* II. 1.

---

[169] Cf. Herod. II. 177; Plutarch, *Solon* 17. 1; cf. also 2. 3.

[170] Cf. p. 222.

[171] Plutarch, *Phokion* 19. 1.

[172] Loewy, *Inschriften,* No. 555.

[173] Pausanias I. 29. 15.

[174] Stevens-Caskey-Fowler-Paton, etc., *The Erechtheum,* p. 289.

[175] *Ibid.,* p. 381. The Athenian drachma was then equivalent to about 22½ cents.

[176] Foucart, *B.C.H.,* 1890, p. 593, note 1.

[177] Cf. p. 275; since Epidauros used the Aiginetic drachma at this period, which was equivalent to about 33 cents, this would amount to about $993.30.

[178] Diogenes Laert. VI. 35.

[179] Pliny, *N.H.* XXXIV. 39. It was thirty cubits in height.

---

[180] E.g., Polykleitos and Euphranor, etc.; see pp. 246, 284.

[181] E.g., Skopas; cf. p. 268.

[182] E.g., Pythagoras, Pheidias, Euphranor, and Kallimachos.

[183] E.g., Myron; cf. p. 209.

[184] E.g., Michelangelo, who was sculptor, painter, and architect, and Brunelleschi, who was architect, sculptor, and goldsmith (Vasari, Ed. Sansoni-Milanesi, II, p. 330).

CHAPTER X

RELIEF

RELIEF stands midway, so to speak, between sculpture in the round and drawing. It partakes of the qualities of both. It resembles drawing in that it has to suggest volume on a flat or comparatively flat surface; and it resembles sculpture in the round in that it has a variety of planes. The consideration of these two properties is therefore essential in relief technique. To practise it successfully a sculptor has to have a knowledge of foreshortening and a knowledge of the treatment of planes. Together they will give him the means by which to translate form as it is in nature into artistic form, giving a general impression of nature. The latter we shall call for convenience "impressional form."[1]

Both in Egyptian and Assyrian art, reliefs formed a significant part and were produced for thousands of years; but the important problem of foreshortening was not mastered by either. The garden scene on the relief from Nineveh in the British Museum[2] (fig. 462), a product of the seventh century B.C., sums up both the achievements and the limitations of Oriental art, and shows us what knowledge the Greek sculptor inherited from his predecessors in the craft. We see at once that the important law is realized that there must be a continuous front plane with nothing obtruding unduly from it, a device which gives the whole its unified effect. This is a law governing impressional form as contrasted with natural form. In nature form is not so organized and more or less isolated shapes may protrude in all directions. It is the work of the artist to combine these into a harmonious design.

Besides the two chief planes, the front plane and the background plane, Oriental art recognized practically no others. Objects clearly meant to be in the middle and far distance, like one of the two servants fanning the king and the tree behind them, are placed in the same plane with the objects nearest the eye. The farther arms of the king and queen are in the same plane as the nearer arms; the table in front of the couch is level with the couch; and so on. There is consequently no feeling of space; the eye is not led from plane to plane to a distance beyond, and so the forms do not appear to have their proper depths. Furthermore, there is no knowledge of foreshortening in the rendering of the figures. The upper part of the king's body is shown in full front when in reality it should be in three-quarters view, for he is turning from a profile to a front position; while the head reverts to the profile—a very unnatural rendering, due to the difficulty the sculptor experienced in representing the torsion of the body. On this account the other figures are all kept in strictly profile views. In Egyptian art we find the same conventions from the works of the Old Kingdom (about 3000–2500 B.C.) up to the later dynasties. Even at a late date the three-quarters view is incorrectly shown (fig. 463[3]).

---

[1] For excellent analyses of "impressional form" (*Wirkungsform*) and "natural form" (*Daseinsform*) cf. Hildebrand, *Das Problem der Form,* pp. 16 ff.

[2] Jastrow, *The Civilization of Babylonia and Assyria,* pl. LXII.

The Greeks began where the Egyptians and Assyrians had left off, in relief technique as in other branches of art. But they realized, as their predecessors apparently never had, the importance of foreshortening and of the feeling for space in relief; and they set themselves to this task with wonted initiative and concentration. Within a century or two they succeeded in introducing them in their work. In the Hegeso relief of the end of the fifth century (fig. 429) there is a uniform front plane for the heads, the nearer arms, the nearer legs, and the chair; from this the eye is led to the background by several planes gradually succeeding one another; and in the farthest plane are placed the left arm of the attendant, the lid of the open chest, and part of the drapery of Hegeso. Moreover, the bodies are represented in correct three-quarters view, the farther portions in less high relief than the nearer portions. Thereby everything takes its right place, and we obtain the impression of depth and distance.

Let us see how this was accomplished; for it was only by gradual stages that the Greek artist arrived at this perfect solution.

An unfinished archaic relief from Naukratis[4] (fig. 464) and an unfinished portion of the frieze of the Nereid monument[5] (fig. 467), both in the British Museum, show us clearly how the Greek sculptor proceeded. He did not work from the background up, but from the front backward. That is, he did not—as we are apt to nowadays—

---

[3] Limestone relief of the Ptolemaic period in the Metropolitan Museum.

[4] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 437.

[5] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 908.

begin with a smooth clay background and gradually add his figures to it, and when it was finished translate his clay creation into stone through the intermediary of a plaster cast. He started with his marble block, smoothed it out, producing thereby his outer plane, drew his figure on it, and then cut away the surrounding portions, thus obtaining his background. Automatically he has created thereby his two chief planes, and he has kept the front plane uniform. Any details of modeling added later were kept within these two planes. This method of work, doubtless practised also by the Egyptians and Assyrians, sufficiently explains the flatness, the unified planes,[6] and the lack of foreshortening in early reliefs. It was much more difficult to experiment in different planes while hewing into a stone than while adding malleable clay to a background; and it was in the nature of such work to obtain a uniform front plane. The only shadows in these early reliefs are those cast by the contours of the figures, which thereby are made to stand out clearly against the background plane. The relief makes an impression of two-dimensional design.

Sixth Century

In the relief of the dancing women from Branchidai, now in the British Museum[7] (fig. 466; about 540), the principle of the uniform front plane is beautifully observed, but the absence of intermediate planes leads to confusion. The arms are all in the same plane regardless of their positions, and we find it difficult in consequence to apportion them to their respective figures; for we obtain no clear impression which parts are behind which. The same is true of the man stabbing a lion on the sepulchral chest from Xanthos also in the British Museum;[8] of the horsemen and deer from Sardes;[9] in fact, universally of archaic Greek reliefs.

Occasionally we find introduced intermediate planes; for instance in the Orestes relief from Sparta[10] (fig. 465; *c.* 550 or earlier), where the farther arm of the man is in lower relief than the rest of the composition; but, since there is no gradual leading down to it by intervening planes, the effect is not convincing. The use of a series of planes was rendered especially desirable where the relative position of the figures demanded it—for instance in the relief from the "Sikyonian" Treasury (fig. 404) where three oxen are represented alongside one another. A distinct attempt is here made to compose the relief in several planes and so distribute the legs and heads of the oxen. Thereby a certain impression of depth is obtained, so that there is no question in our minds which figure is behind which. But the transition from one plane to the next is abrupt and angular; there is no gradual leading down. The same is true of the relief from Sparta in the Berlin Museum[11] (fig. 468).

---

[6] The uniform outer plane is not always observed in other sculpture; cf. Benvenuto Cellini's Perseus and Andromeda in the Bargello in Florence.

[7] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 285.

[8] *Ibid.,* B 217.

[9] *Ibid.,* B 269, B 270.

[10] Tod and Wace, *Catalogue of the Sparta Museum,* p. 132, No. 1.

In the Siphnian frieze (*c.* 525) we find the same partial knowledge. Where one figure is definitely placed in front of another, as in the Apollo and Artemis group (fig. 418, left), the farther one is appropriately sunk; but in the fighting warrior in front the two striding legs are placed in the same plane, though one is behind the other. And the transition from one plane to the next is sudden.

This tentative use of different planes continues in works of the end of the sixth century. In the monument known as the Harpy tomb[12] the farther arms and legs are sometimes appropriately sunk, at other times they are not. For instance, the farther arm of the deity holding a pomegranate (fig. 473), on the south side, is too high, while the farther arm of the votary standing before him is properly sunk. One takes its right place in relation to the other parts, the other does not. In the group of a deity receiving a helmet (fig. 472), on the north side, the planes of the farther arms and legs are fairly successfully managed, except for the left leg of the warrior and the right hand of the deity which are too prominent. In the Aristion stele (fig. 424) the calf of the far leg protrudes unduly, while the far arm is shown correctly as in the farthest distance. It is interesting to observe in this connection how difficult the archaic artist found the placing of one foot behind the other. Since he could not get his effect by a variety of planes we often have the impression that one foot is on top of the other, and that the staff held in the hand rests on the toe of the foot (cf. fig. 470[13]). In these cases of superimposed forms the right impression is sometimes achieved by sinking the parts immediately adjoining; as is the case in the feet of the Aristion stele. This stele also shows in a convincing way how careful the Greek sculptor was to keep his outer plane uniform. The nearer arm does not stand out from the body, but is carved into the figure, so that it is on a level with the highest plane of the body.

---

[11] *Beschreibung der antiken Skulpturen,* No. 731.

[12] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 287.

[13] Metropolitan Museum, *Handbook* (1930), p. 236; Acc. No. 12.158.

Natural form would demand more volume for the arm; but from the point of view of impressional form the rendering is good, for it is made to take its proper place in the composition.

In the charioteer relief in Athens (fig. 275; *c.* 510–500) the disposition of the planes is beautifully managed. We obtain an impression of depth and motion by the way the eye is led farther and farther into the background by the gradually changing planes; and yet the number of planes is restricted so as to insure a harmonious impression. In these later archaic reliefs the interplay of light and shade on the surface of the figure begins to suggest a certain roundness, but the projections are so slight that they do not interfere with the more accentuated shadows of the contours. The design is still conceived as two-dimensional.

A device conspicuous in the Siphnian frieze, and general in Greek reliefs of all periods, is the irregularity of the background plane. For instance, when the inside of a shield is represented it is hollowed out so as to penetrate deeper than the general background (fig. 418, right). This hewing into the background plane was useful not only for obtaining the farthest distance but also in giving life and variety by creating deeper shadows and providing accents where needed. We note it in the cock and hen reliefs from Xanthos, in the "Harpy tomb" (figs. 472, 473), and in many contemporary and later works where the grouping of the figures did not necessarily demand it—showing clearly the artistic preference for an enlivened rather than a uniform background.

The question of distance planes is intimately connected with the representation of the three-quarters view,[14] for to convey this correctly the height of the relief must gradually diminish in the farther portions. Naturally, before the Greek sculptor learned to distinguish between a middle and a far distance he was unable to represent it convincingly; moreover, the torsion of the body involved in it was more than his knowledge of anatomy could cope with. So the best plan seemed to be to avoid the three-quarters view and to restrict himself as far as possible to the profile and full front. And this is what the early sculptor tried to do. When he did attempt the three-quarters view he dealt with it very simply—by putting a front upper body on a profile lower one; as in the Perseus and Medusa group on the Selinus metope (fig. 405) and in the warriors on the Siphnian frieze (fig. 418). The difficult problem of representing the junction was generally avoided by the wearing of a garment or the placing of some concealing object at the critical place.

---

[14] For the sake of convenience I am taking this to mean any view intermediate between the profile and the full front.

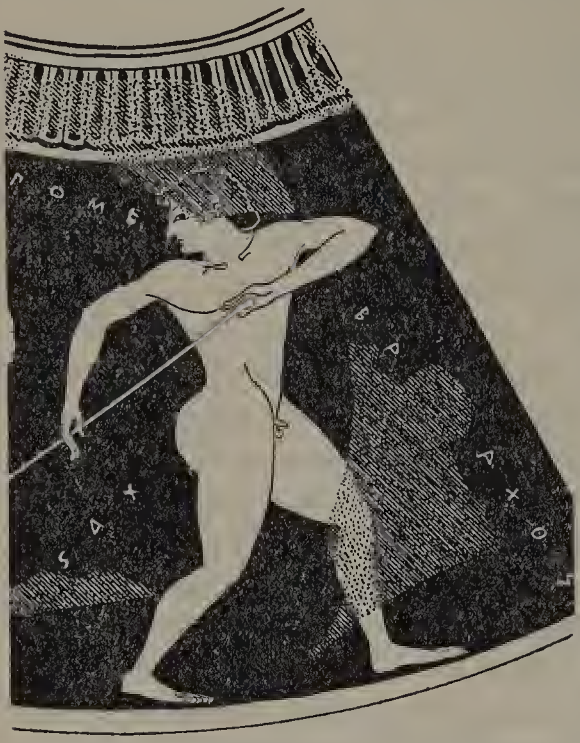


Fig. 471. Javelin-thrower, from a psykter by Oltos
Metropolitan Museum of Art

Similar primitive renderings of the three-quarters view occur in the black-figured and early red-figured Athenian vases. The upper part of the body is always in complete front, the lower in profile, and garments generally hide the juncture; when a nude body is represented there are only a few lines to indicate the construction (fig. 471).

At the end of the sixth and the beginning of the fifth century, interest in the representation of a three-quarters view became more and more acute, and we note constant attempts at dealing with it. The same device of a front upper body and a profile lower one with a concealing garment at the juncture is adopted in the youth holding a cat on the statue base in Athens[15] (fig. 283; *c.* 510–500). In the lance thrower on the same base the whole body is shown in front view while one leg and the head are in profile; the foot turned toward the spectator shows an interesting attempt at foreshortening. But the problem is squarely faced in the ball player on this relief (fig. 469) and in the runner from Athens (fig. 84), though the anatomical construction is curious; the median line describes an extraordinary spiral curve. In the Alxenor relief (fig. 425) the torsion is suggested by placing one leg in front view, the other in profile with the toes protruding beyond the front plane and carved on the lower moulding of the frame.

---

[15] Della Seta, *Dedalo,* III, 1922–23, pp. 207 ff.

Transitional Period

During the transitional period of 480–450 the problem is further thrashed out and the right solution gradually found. How convincingly, for instance, in the "Birth of Aphrodite" on the three-sided relief in Rome[16] (fig. 474) the arms of the three women are shown one behind the other, and how harmoniously one plane glides into the next! And in the mourning woman on the companion piece in Boston[17] (fig. 477) how gently we are led from one plane to another until we reach the farthest distance in the wings of Eros! The three-quarters view attempted in both women on this slab also marks a great advance on former times. The upper portion of the body is shown in gradually retreating depth, and the farthest portion is distinctly flatter than the nearest part. But the rendering is not yet quite correct. The breasts are not properly foreshortened. The nearer seems too close to the arm, the farther is not sufficiently sunk. The same is true of the lovely stele of a youth from Sounion[18] (fig. 494; *c.* 470); the farther portion is too prominent. In the Zeus of the Selinus metope (fig. 410) the three-quarters view is almost correct. The farther part of the chest protrudes a little too much, and the same is true of the Hera. But we are coming close to a perfect solution.

This lingering hesitancy to decrease sufficiently the depth of the farther parts is general in the works just before the middle of the fifth century, for instance the "Mourning Athena" (fig. 206) and the grave relief of an athlete in the Vatican[19] (fig. 480). Even in the Eleusinian relief[20] (fig. 481) of about 450–440 there are a few traces of this archaism. The shoulder and back of the Demeter are not convincingly foreshortened, though in other respects the relief shows a consummate refinement in the treatment of planes. There is now more variety in the use of shadows, which are no longer confined to outline but give the impression of modeled shapes. The strands of the hair and the folds of the drapery are beautifully carved in varying planes and add color and life to the scheme. Though this use of shadows is still very discreet and the design is still essentially two-dimensional, a feeling of depth is thereby introduced.

In the vase-paintings of the period there is the same gradual progress in the knowledge of foreshortening; and the general interest in the problem is seen in the increasing use of the three-quarters view. Achievements vary. Sometimes the rendering is just the same as in early times, with the upper part in complete front, the lower in profile, and no indication of the muscles where the torsion takes place; as for instance in a satyr by the Pan painter in New York[21] (fig. 482). At other times though the chest is still in front view the torsion is shown in the rectus abdominis which is placed obliquely, ending apparently on the farther hip; as in a satyr by the Brygos painter in the Metropolitan Museum[22] (fig. 483). Gradually it was understood that the farther side of the chest must be contracted and the median line no longer placed in the center. A quite successful effort is seen in the engaging boy by the Berlin painter on an oinochoë in the Metropolitan Museum[23] (fig. 484). The vases of about 475–460 show still more advanced renderings (fig. 485), almost completely successful, with occasional lapses (cf. fig. 130), just as in the contemporary sculptures.

---

[16] Helbig, *Führer*,³ II, No. 1286.

[17] Caskey, *Catalogue of Sculpture in the Boston Museum*, No. 17.

[18] National Museum, Athens, No. 3344.

[19] Helbig, *op. cit.*, I, No. 246.

[20] National Museum, Athens, No. 126.

SECOND HALF OF FIFTH CENTURY

By the second half of the fifth century complete knowledge of relief technique has been attained. The Parthenon frieze (about 442–438) is a supreme example (figs. 488, 489). The three-quarters view is now rendered without difficulty and becomes in fact the prevailing pose. We have a uniform front plane and a number of others leading us gradually to the background, suggesting space and distance. Moreover, the sculptor now understands thoroughly the requirements of impressional form. Thereby he is able to accomplish astounding things. In the cavalry procession,[24] for instance, he represents as many as eight horsemen abreast in a relief of only about two inches in depth, and the effect is convincing (fig. 486).

Let us see how he accomplished this feat. In the early frieze from Prinias (fig. 347; *c.* 625–600) one horse is simply placed behind the other and all difficulties are thereby avoided. In the metope of the "Sikyonian" Treasury (fig. 404; *c.* 570–550), in order to represent several animals alongside one another a series of planes was resorted to, one placed behind the other in steplike formation, and the various heads and legs were distributed among them; moreover, the head of the nearest animal was shown full front, the others in profile. The resultant impression was awkward and monotonous. By the time of the Siphnian frieze (*c.* 525) the sculptor has learned that impressional form is better served not by trying to put each animal immediately behind the next but by stringing them along. In the chariot groups of the southern and western friezes[25] (cf. fig. 487) two horses are placed a little in front of two others, and the crossings of the lines thereby produced give the desired effect. But the horses which are immediately behind have the same awkward look as the "Sikyonian" oxen; we have to count their heads or legs to see how many there are. In the Parthenon frieze the lesson has been completely learned. The whole fore part of every horse is represented, as well as a considerable part of every rider, and they are placed one next to the other, occupying a considerable area. The effect that each rider is behind the one next to him is attained by the ingenious use of crossing lines and the variation of planes at these crossing points. Keeping to the important principle of a uniform front plane, the riders' and horses' heads and much of their bodies, irrespective of the positions they occupy, are placed in the front plane; but where one figure cuts against another—be it the leg of a rider against a horse's body, or the front legs of a horse against the body of a succeeding horse, or a horse's head against the next rider's body—at these points the difference of planes is always clearly marked; often by sinking the adjoining back portion considerably. This is best seen when a single figure appears against a horse's body or—in the procession of cattle—against a cow's body (fig. 356). Here the figures of the men are actually on the same level as the animals behind them, but they appear convincingly in front of them because the animals' bodies cave in where the lines cross. There could be no better instance of impressional form as against natural form in relief technique.

---

[21] Metropolitan Museum, *Handbook* (1930), pp. 122–123, fig. 81.

[22] *Ibid.*, p. 120, fig. 78.

[23] *A.J.A.*, XXX, 1926, p. 37, fig. 6.

[24] Smith, *Sculptures of the Parthenon*, pls. 53 ff.

This principle of crossing lines and the sinking of the surface of the adjoining parts is used throughout the frieze with good effect. In the assembly of deities[26] the impression of one god sitting behind another instead of alongside is successfully conveyed by the simple device of making the rails of the farther chairs oblique, and by placing the legs of the adjoining figure so that they cross the rail. Poseidon (fig. 488) evidently sits on the outside, for his chair rail is horizontal. And that is why he is shown in profile (with his right arm flattened so as to be in the uniform front plane); while Apollo and Artemis, who sit next to him, have oblique chair rails and the upper parts of their bodies are in three-quarters views. The same is true of the groups of Athena and Hephaistos and of Hera and Zeus; not, however, of the group of Hermes, Dionysos, Demeter, and Ares (fig. 489)—where the chair legs are straight and only once a leg crosses the adjoining stool. These gods are clearly conceived as sitting next to one another in a horizontal row.

---

[25] *Fouilles de Delphes,* IV, pls. IX–X.

[26] Smith, *Sculptures of the Parthenon,* pls. 33, 34, 36. I have followed Mr. Smith in his names for these deities.

An excellent example of the effect of crossing lines can be observed in the frieze of the Gjölbaschi monument. Here we have a row of armed soldiers in a fortress (figs. 421, 422). They are closely massed; the height of the relief in each is about uniform, but we get the distinct impression that one is behind the other by the crossing lines of the shield and the depression of the farther shield where it is cut by the rim of the nearer one. It is a clever device which only long experience in relief work could teach.

The Phigaleia frieze is likewise able, experienced work from the point of view of relief technique. The depth here is considerably greater than in the Parthenon frieze, and portions of the figures are actually modeled in the round and detached from the background (cf. figs. 298, 299); while in other places, for instance when the insides of shields are represented, the carving sinks beneath the background plane (fig. 299). The drapery sometimes stands out in deep folds (fig. 298); at other times it is in very low relief (fig. 299) or is actually sunk into the background, like the mantle of the Centaur in slab 527 (fig. 203). By this variety of planes we obtain a beautiful impression of depth and distance. The background itself is also very uneven. It bulges in and out, sinking with the draperies and shields, protruding with other portions, as occasion demands, so that sometimes there is a difference of several inches in its depth; and this variation adds to the life and movement of the whole. Effective also is the use of crossing lines. In the scenes of combats where one figure is locked with another, this device enables the sculptor to show their relative positions clearly without any sense of confusion. But in spite of the tumult, the high relief, the uneven background, and the frequent crossing lines, the unity of the whole is preserved by the strict adherence to the uniform front plane. Nothing obtrudes beyond it; even when a shield is held out from the body (e.g., in slabs 535 and 527) it is in the same plane with the body; and by gradual and slow stages the eye is led to a middle and farther distance which give depth and solidity to the figures. Naturally in this treatment shadows are no longer confined to outline but accompany the movement of every figure, modeling it in the round, and helping to give it a three-dimensional aspect. It must be remembered that the frieze was intended to be seen at a considerable height and the high relief would make it more visible and effective from below.

The frieze of the Erechtheion is an interesting experiment in relief technique. The figures are worked singly without background and were fastened in situ against the frieze wall of black Eleusinian stone; in other words, it was appliqué relief. Unfortunately we cannot obtain the original effect.

The parallelism we have noted of achievements in sculpture and in vase-painting is apparent also during the second half of the fifth century. On the vases likewise the three-quarters view now presents no further difficulty and is correctly rendered throughout. For the period of the Parthenon, good examples are the Poseidon and Amymone by the painter of the Boston Phiale in the Metropolitan Museum[27] (fig. 493), and, for the end of the century, the woman on the oinochoë by the Meidias painter in the same museum[28] (fig. 309). By this new knowledge of foreshortening Greek vase-paintings gained in spaciousness, and at last convey the impression of the third dimension. Thereby they come nearer to a painting in the modern sense of the word than they ever did before. But inevitably they lose also in carrying power as design. And since pots are more appropriately ornamented with two-dimensional designs than with representational paintings, the decorative effect of the whole is impaired.

Fourth Century

Fourth-century reliefs carry on the traditions of their predecessors, and show able handling of relief technique.

In the Mausoleum frieze of the middle of the century (cf. figs. 697–699) the figures are much less crowded than in the Parthenon and Phigaleia friezes. Each combatant stands out practically singly against the background. To accentuate the contours a deep groove runs along them. Care is taken that the figures should interconnect by crossing lines. Sometimes it is just the tail of the horse crossing the adjoining figure's head, or two feet crossing, or a foot crossing a hoof. Though slight it is enough to prevent the contestants from being isolated. The background is quite uneven; indeed since so much of it is unoccupied, variation was necessary to prevent monotony.

---

[27] *A.J.A.*, 1923, pp. 281 f., figs. 19 and 20.

[28] Acc. No. G.R. 1243.

How important some use of crossing lines is in the grouping of widely spaced figures can be appreciated in portions of the friezes of the Nereid monument[29] and of the Lysikrates monument,[30] where the figures are entirely unconnected (figs. 490, 491). A curious staccato effect is the result. The figures appear isolated and the sense of unified action disappears. Even a slight employment of such crossing lines in the hunting scene of the Nereid frieze[31] (fig. 492), where some of the horses' feet cross the bodies in front of them, obviates this isolation.

In the grave reliefs of the fourth century (cf. fig. 317) the problem is encountered of compressing a group of people into a comparatively small space. There is now no trace of the two-dimensional design of the earlier stelai with its strongly marked contours. The figures no longer seem attached to the background, but stand out in varying depths, modeled in light and shade. Large expanses of shadows break up the uniformity, and the silhouette no longer counts. The pictorial point of view intrudes on the purely sculptural conception.

HELLENISTIC PERIOD

In Hellenistic reliefs the three-dimensional conception and the strong contrasts between light and shade are still further accentuated, the figures often being modeled practically in the round. Furthermore, the composition of the friezes again becomes crowded (cf. the "Alexander sarcophagus" [fig. 748] and the Pergamon frieze), adding to the restless effect of the whole.

Relief work on a rounded surface, though it appears occasionally in the sixth[32] and fifth centuries (cf. fig. 496[33]), became popular only during the fourth century and the Hellenistic period. We find it on the Ephesos drums (cf. fig. 705) and the Lysikrates monument[34] (fig. 491), and commonly on marble tomb vases (cf. fig. 495[35]). On the last the relief is often very low; the rounded surface of the vase was then a distinct advantage, for it enabled the sculptor to obtain a feeling of depth and perspective without having to vary the height of the relief so much. The curved surface of the vase supplied the necessary variation, and the sculptor could keep to a fairly uniform shallow depth.

---

[29] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 886.

[30] De Cou, *Papers of the American School of Classical Studies in Athens,* VI, pp. 316 ff.

[31] Smith, *op. cit.,* II, No. 888.

[32] For two instances, cf. the sixth-century drums from Ephesos (figs. 265, 266) and the polos of the Knidian karyatid (Homolle, *Fouilles de Delphes,* IV, pl. XIX).

[33] Caskey, *Catalogue of Sculpture in the Boston Museum,* No. 24.

[34] De Cou, *op. cit.,* VI, pp. 316 ff.

[35] Metropolitan Museum, *Bulletin,* 1913, pp. 173–174.

CHAPTER XI

GREEK SCULPTURE COMPARED WITH ROMAN COPIES AND MODERN FORGERIES

WE have studied Greek sculpture from many points of view—its conception, its modeling, its composition, its technique, and the treatment of its relief. In this chapter we will study it from still another angle—an indirect one, but one that is particularly illuminating—its relation to Roman copies and modern forgeries; for it is often by a comparison with other products that the inherent qualities of a work of art are realized. Moreover, the consideration is a practical one, since in our examination of ancient sculpture we are continually confronted with these questions of origin.

(*a*) *Roman Copies*

IN comparing Greek and Roman art we must remember the different backgrounds of the two nations. The Greeks, a highly artistic people, had produced original works for several centuries. The Romans, an eminently practical nation, had inherited from the Greeks a great artistic tradition; and they had sufficient appreciation of it to carry it on during their whole history. But this continuance was not a development, merely a copying and adapting, with occasionally an original contribution; in no sense an organic growth. Roman[1] sculpture is therefore largely imitative. The borrowing is either direct, in which case a Greek work is produced as exactly as possible; or it is an adaptation, in the general style of a Greek model, but not an exact copy; or again it may be an eclectic work with elements selected from different periods, resulting in a heterogeneous whole.

The direct copies have the greatest value for us today; for many a Greek work is preserved to us only in such Roman reproductions. But in trying to visualize through them the lost Greek originals we must be aware of the differences and supply in our minds what the Roman copies do not give.

---

[1] That much of "Roman" sculpture was produced by Greeks and other people of non-Roman origin goes without saying. Roman here is taken to signify a period rather than a nationality. The Roman Empire created an outlook which pervaded all communities and which is apparent in the art produced in its wide domains. In that sense it is "Roman" art.

Direct Copies of Greek Works

The most important thing a Roman copy reproduces is the composition of the original statue or group. There may be an occasional variation in detail, but a faithful copy should preserve the general scheme. From works like the Diadoumenos of Delos (fig. 650) of the Roman imperial period we get a realization of the harmonious design of a Greek fifth-century original. In fact our whole knowledge of Polykleitos is based on such Roman copies. So are our understanding of the art of Myron with its important innovations in attitudes of movement, and our realization of the Athena Parthenos by Pheidias, one of the most famous works of antiquity.

The difference between such Roman reproductions and the Greek models shows itself therefore chiefly in the execution. The sculptors of Roman times, being unsubtle themselves, saw in Greek sculpture no subtlety, only simplicity. They missed the imperceptible variety which gives it life. And so their modeling is mostly cold and lifeless. Instead of a delicately variegated surface with gradual, gentle transitions we have a much more obvious, summary treatment. Naturally the rendering varies. Some Roman copies are much better than others; from many we can derive real pleasure also in the workmanship; but even the best lack the sensitiveness and fluidity which distinguish Greek work. A few examples will bear this out. For such comparison we have selected copies of average execution as best suited to bring out the difference.

In spite of the apparent simplicity of the drapery of the transition period of 480–450 we shall find, when we study it, a great deal of variety and feeling for the texture of the material and the continuity of the folds. For instance, in the Sterope and Hippodameia of the Olympia pediments[2] (fig. 393) and the standing Athena of one of the metopes[3] (fig. 319), the folds, though apparently alike, are as a matter of fact infinitely varied. No groove is parallel to another; the direction of each is slightly different, and one is a little wider, another a little narrower; and between the chief grooves are a number of shorter ones, all various lengths, that start at the waist but are not carried all the way down. Moreover, the construction of the garment is made perfectly apparent: a thick woolen tunic, belted, pulled up to form a short pouch, and worn with an overfold. The bunched folds just above the waist are convincing; we feel that there are two thicknesses of cloth, and laid above it the one thickness of the overfold. The few folds on this overfold sufficiently indicate the heaviness of the material and moreover add the necessary variety. After our enjoyment of this sensitive treatment, the bronze maidens from Herculaneum[4] (cf. fig. 497) or the Hestia Giustiniani[5] come to us somewhat as a shock. They are Roman copies of Greek works of about the same period as the Olympia sculptures and they reproduce their majestic compositions admirably. But how hard is the rendering of the folds! How relentless are these deep grooves running practically parallel to one another, all starting at the top and ending at the bottom, with only occasionally a little pretense at variation! The pouch looks like a second overfold, not two thicknesses of material. We have here no sense of the varied effects of nature treated in a decorative manner, as in the Olympia sculptures; rather a hard, mechanical copying of an artistic rendering inadequately understood.

---

[2] Treu, *Olympia,* III, pl. X.

[3] *Ibid.,* pls. XL and XLIII.

And other styles of drapery are copied with the same lack of comprehension. If the mantle held by the Lapith on the Parthenon metope (fig. 415) gives us pleasure, if we enjoy the fine swing and consecutiveness of its curving folds, what do we feel before the mantle of a Roman copy with a similar composition (fig. 499)[6]? It is no longer an enjoyment to follow each fold and feel its lifelike and yet rhythmical effect. The stolid vertical folds on the sides and the hesitating curving folds in the middle have nothing in common with their prototypes except their general direction. Again, if we have any appreciation for the beauty of the drapery of the Erechtheion Kore (fig. 502), for the variegation of its "vertical" folds, for the fine curve made by the overhanging pouch, for the little pleats on the overfold, each one of which appears inevitably occasioned by the fall of the garment and yet plays a part in the artistic whole, how hard will seem by contrast the Roman rendering in the Vatican[7] (fig. 503) with its leaden, lifeless folds! An instructive comparison is the Nike adjusting her sandal from the Balustrade[8] (fig. 504) with a copy of it on a Roman relief in Munich[9] (fig. 505). How stilted and dull the oblique lines seem on the copy[10] compared to the fifth-century model; how monotonously regular are the zigzag lines along the edge of the mantle compared to the varied treatment on the earlier figure! How much of the effect of the original is lost in making the drapery less transparent! The same contrast is presented in the relief of the Nikai and the bull from the Nike Balustrade[11] (fig. 506) and the Roman version of it in the Vatican[12] (fig. 507).

---

[4] Brunn-Bruckmann, *Denkmäler,* pls. 294–295.

[5] *Ibid.,* pl. 491.

[6] Cf. also the back of the Venus Genetrix.

[7] Amelung, *Die Skulpturen des vaticanischen Museums,* I, No. 5.

[8] Cf. p. 100.

We can multiply such contrasts and comparisons—the fine swing of the backward-flying drapery of the Paionios Nike (figs. 637, 638), splendidly decorative and yet so naturalistic that we can feel the wind blowing against it, and the steel and iron effects of the backward-flying drapery on the Chiaramonti Niobid[13] (fig. 498); the lifelike effect on the Parthenon "Fate"[14] (fig. 500), where with all the amazing variety there is a steady downward trend, and the hard ribbon-like folds of the "Suppliant"[15] (fig. 501) in the Barberini Palace meandering in various directions; the convincing and delicate treatment of the thin chiton with its multitudinous little folds showing beneath the thick mantle of the Kore on the Eleusis relief in Athens[16] (fig. 481) and the more mechanical interpretation of this same effect on a beautiful Roman relief in the Metropolitan Museum[17] (fig. 510).

In the rendering of the body and the head there is the same difference. We need only pass from the infinitely varied surface of the Praxiteles Hermes (fig. 664) to such good Roman copies as the Lansdowne Herakles (fig. 707) with its hard grooves and ridges to realize the different degrees of sensitiveness of the two sculptors; or from the Greek head found on the southern slope of the Akropolis[18] (fig. 508) to a copy of it in Berlin[19] (fig. 509) to see how the melting look of the eyes, the variegated hair, the sensitive lips have hardened. The softness of outline, the imperceptible passing of one plane into another that constitute the chief charm of the Greek original have disappeared. We note the same distinction when we compare the Greek and Roman versions of the "Eubouleus" in the National Museum in Athens,[20] one of Greek workmanship (fig. 512), the other an indifferent Roman copy (fig. 511). Particularly strong is the contrast in the rendering of the hair. One is a delicate treatment clearly suggesting its growth from the head, the other a hard, precise representation in which the locks appear laid on the skull.

---

[9] Furtwängler, *Beschreibung der Skulpturen in der Glyptothek,* No. 264.

[10] It must be remembered, however, that some of the folds are restored.

[11] Cf. p. 100.

[12] Amelung, *Die Skulpturen des vaticanischen Museums,* II, p. 270, No. 94, pl. 7.

[13] *Ibid.,* I, No. 176, pl. 44.

[14] Smith, *Sculptures of the Parthenon,* pl. 5.

[15] Helbig, *Führer,*[3] II, No. 1820.

[16] National Museum, No. 126.

[17] *Handbook* (1930), p. 246, fig. 170.

[18] National Museum, Athens, No. 182.

[19] Berlin, *Beschreibung der antiken Skulpturen,* No. 610.

Adaptations of Greek Works

In Roman adaptations of Greek works the difference lies not only in the modeling but also in the conception. A krater with reliefs of dancers in the Metropolitan Museum[21] (fig. 514) is an excellent example. Two of the dancers are characterized as Maenads by the thyrsos which one of them carries and by their attitudes of Bacchic frenzy. Lovely and charming though these figures are—and they are among the most beautiful works of the Roman period that are preserved to us—when we compare them with their obvious models on fifth-century vases (figs. 287[22] and 513[23]) the difference becomes immediately apparent. The true zest for life so noticeable in their predecessors has somehow passed from them. Compared with the earlier figures they show all the difference between real ecstasy and its reflection. The frenzy of the Roman Maenads seems mere make-believe; they appear as if suddenly arrested, posing in attitudes of exaltation, not really "*θεοῦ πνοαῖσιν ἐμμανεῖς*." It is, in fact, the difference between an epoch of direct inspiration and one of tasteful adaptation.

The drapery shows the same difference in conception. We need only compare the figures on a Roman "Neo-Attic" altar in Madrid[24] (cf. fig. 515) and their transparent and swirling draperies with their late fifth-century prototypes such as the Nikai of the Balustrade[25] (cf. figs. 504, 506) to see that in the earlier works, in spite of conscious arrangement for decorative effect, the result is always simple and natural; while the Roman copyist in trying to obtain this decorative quality became affected. Again, how charmingly natural are the folds in the Gjölbaschi dancer[26] (fig. 516), daintily holding up the edge of her garment, and how artificial, by comparison, the similar treatment on the Roman relief in the Vatican[27] (fig. 517) with its multitude of converging lines!

---

[20] Nos. 181, 1839. Three further Roman replicas are in Athens, Nos. 2650 and 2394 in the National Museum and a small one in the Akropolis Museum; cf. Lippold, *Kopien und Umbildungen griechischer Statuen,* pp. 116 f. and 'Εφ. 'Αρχ., III, pl. 8, p. 39.

[21] *Handbook* (1930), pp. 214 f., figs. 148, 149.

[22] On a kylix by Makron in Berlin, No. 2290.

[23] On a pyxis in the National Museum, Athens.

[24] R. Ricard, *Marbres du Musée de Prado,* Nos. 178 ff.

[25] Casson, *Catalogue of the Acropolis Museum,* II, pp. 139 ff.

Eclectic Works

A Roman eclectic work combines the styles of various periods, or introduces a new element into a copy of a work of earlier times. The statue of a youth by Stephanos[28] (fig. 521), the pupil of Pasiteles, and the related groups of Orestes and Elektra[29] and of Orestes and Pylades[30] are clearly inspired by works of the transitional epoch of the second quarter of the fifth century; but the modeling of the bodies is considerably softened, and forms a strange contrast with the square shoulders and severe type of face.

The most popular of these eclectic works are the Roman archaistic products worked in imitation of the Greek archaic style of the sixth century, with an inevitable admixture, however, of later elements. A statue of Artemis of which there are several copies[31] (figs. 518,[32] 519,[33] 520[34]) is a characteristic example. The drapery with its zigzag folds and wavy lines is in the sixth-century manner (though the treatment does not show the lifelike variety or the subtle curves of genuine Greek work); the head is in the fully developed style, with the eye correctly modeled and the mass rounded instead of four-sided. Similar discrepancies between the rendering of the face and the drapery are evident in such works as the "Borghese Altar" in the Louvre[35] and the Chigi pedestal in Dresden.[36] Sometimes the freshness of Greek archaic art is reproduced with more sensitive understanding, as in the archaistic bronze statuette in the British Museum[37] (fig. 523), where the folds are less stiff and mechanical; it is only when we compare it with a genuine Greek work like No. 11691 in the National Museum in Athens[38] (fig. 524) that we become conscious of such deficiencies as the multitude of parallel grooves in the folds hanging from the arm, the monotonous regularity of the zigzag lines, and the lack of feeling for the thinness of the chiton sleeve where it emerges from the himation. It is interesting to compare the London statuette with a similar one, also archaistic, in the Bibliothèque Nationale[39] (fig. 522). The latter shows the same conception, but is vastly inferior in workmanship.

---

[26] Benndorf, *Das Heroön von Gjölbaschi-Trysa,* pl. XX.

[27] Amelung, *Die Skulpturen des vaticanischen Museums,* I, No. 644.

[28] In the Albani Collection; cf. Helbig, *Führer,*[3] II, No. 1846.

[29] In the Naples Museum; cf. Ruesch, *Guida del Museo Nazionale di Napoli,* No. 110.

[30] In the Louvre; Brunn-Bruckmann, *Denkmäler,* pl. 307.

[31] For an identification of the original of these copies with the chryselephantine statue of Artemis Laphria by Menaichmos and Soidas, cf. Studniczka, *Röm. Mitt.,* III, pp. 277–302.

[32] Ruesch, *Guida,* p. 31, No. 106, fig. 8.

[33] Milani, *Il Museo archeologico di Firenze,* pl. CXLV, p. 261.

[34] Dütschke, *Antike Bildwerke in Oberitalien,* V, p. 122, No. 309.

[35] Froehner, *Notice de la sculpture antique du Louvre,* No. 1.

[36] Brunn-Bruckmann, *op. cit.,* pl. 150.

[37] Walters, *Select Bronzes,* pl. II.

(*b*) *Modern Forgeries*[40]

In judging between ancient works and modern forgeries[41] we have to deal with an entirely different problem. However different the Greeks were from the Romans, they both had the horizon of the classical world. But so diverse is the Greek spirit from our own that it is rare that a modern mind can catch it sufficiently to reproduce it in a work of art. To distinguish therefore between Greek works and modern reproductions our best method is to be thoroughly familiar with Greek art, to become steeped in its conceptions, to appreciate the style of its modeling, to be acquainted with the paraphernalia it employs. And then our eyes will quickly detect the almost invariable inconsistencies in modern forgeries.

Let us take a few examples: A common device of the forger is to copy an extant statue or design, varying it a little in the process. For even he, or rather he of all people, realizes how hard it is for a modern mind to create an ancient work; so he prefers to have a starting point. Figure 526 is a head bought in Italy by an American collector and given to the Metropolitan Museum for purposes of study. The first things that strike us in it are the apparent correctness of the type and the flabbiness of the modeling. It is clearly in the style of the Aiginetan marbles. In fact, a closer examination shows that it is a copy of the fallen warrior from the east pediment (cf. fig. 525), broken and therefore seen upright, and so not too obviously reminiscent of its model. The heads are almost line for line the same, except that in the copy all the sharpnesses of the original are gone; the edge round the nose-piece is not there, the precise ridges for the beard have become blunt, the little sharp ridges on the eyelids and lips have disappeared, the teeth no longer show between the lips. And then there is another variation—one of those blunders that a forger is so apt to commit because he is working in an unfamiliar field, and that an archaeologist can easily detect by his familiarity with the ancient world; one of those clues, in fact, which are independent of style, which can be detected even by the artistically blind, and so form a tangible, incontrovertible argument. In the Aigina warrior the cheek-piece of the helmet is turned down, a large part of it has been broken away, but the hinge and a small portion of it are still there. The forger copied it very much as he found it, but in his general blurring process he made the hinge and the fracture rather indistinct; and then since he did not understand what it meant he added another (upturned) cheek-piece on top!

---

[38] Papaspiridi, *Guide du Musée National,* p. 213, fig. 41.

[39] Babelon-Blanchet, *Catalogue,* No. 265.

[40] In the following discussion of forgeries I am presenting merely my own opinions as to the authenticity of certain "antiquities" and "in my opinion" must be understood throughout in any definite statements made.

[41] Very little has been written on this absorbing but precarious subject. The best analysis is still Furtwängler, *Neuere Fälschungen von Antiken* (1899).

The bronze head shown in figures 529 and 530 exists in several replicas,[42] which make their appearance from time to time in the antique market. It evidently reproduces the familiar "Sappho" type of the fifth century. But when we compare it with the Greek originals of that period, or with Roman replicas of such originals, we are at once struck with its flabby appearance. The mouth appears weak and indistinct, the eyes too staring, the rendering of the whole face lacks firmness. The Greeks and the Romans—at least from the fifth century onward—had a thorough understanding of the human body. In their modeling we are made to feel not only the surface but the substance of bony structure beneath. This head has only a surface, not a core of muscles and bones. And inevitably we find the usual misconceptions. The forger apparently had in his mind a female head with her hair tied up with a long ribbon, like the "Sappho" in the Ny Carlsberg Museum[43] (figs. 527, 528). In trying to reproduce this he made a fatal variation—the ribbon becomes a Renaissance cap at the back, and on the front portion appears a Renaissance ornament.

The same feeble, indistinct modeling condemns the head illustrated in figure 532, clearly copied from the fine original in Athens[44]

---

[42] Cf. Furtwängler, *Neuere Fälschungen von Antiken,* pp. 24 f., figs. 19 and 20; Arndt, *Einzelaufnahmen,* No. 1059 and others there mentioned. Still another replica, obtained by a private collector in Germany, came to New York in 1910.

[43] Arndt, *La Glyptothèque Ny Carlsberg,* pl. 43.

[44] National Museum, No. 17.

(fig. 531). The sculptor could not reproduce the precision of archaic Greek art; he has succeeded only in obtaining a superficial resemblance. How greatly we appreciate the sense of structure, the lovely decorative curves in the contours of the skull and of each feature in the Greek head, after looking at this modern imitation. And again there is a helpful "give-away." In the Greek head the locks which fall over the shoulders are all long and of about the same length. The forger has represented some of his locks rightly as if continuing beyond the break, but one he has modeled as a short complete curl.

Perhaps the most difficult forgeries to detect are those in the archaistic style; for they are imitations of imitations. A helpful comparison is that between the archaistic head of Athena of the Roman period in the Metropolitan Museum[45] (fig. 533) and a modern copy of it (fig. 534). It will make us appreciate the firm modeling of the Roman head, the fine contours of its eyelids and lips, the lovely precision of the grooves of the hair and of the ornamental fillet, all features which we miss in the imitation. A modern expression of alertness has crept into the latter which stamps it as false. Incidentally the hair has been cut short and does not continue to the break as it does in the New York original.

The head illustrated in figure 536 is typical of a large output of forgeries. It is clearly copied from the Aphrodite of Melos (fig. 535); but the face has a modern, personal note totally alien to its serene prototype. It illustrates in a somewhat obvious manner how difficult it is for a man with a twentieth-century outlook to imitate works produced more than two thousand years ago. And this difference will assert itself even when an exact copy is attempted—by means of a plaster cast and the pointing process. Figure 537 is an ancient marble head in the Metropolitan Museum;[46] figure 538 is a plaster cast of this head used to produce the modern marble imitation (with similar breaks!) shown in figure 539. In spite of the mechanical process involved, which should insure accuracy, the differences are palpable—e.g., in the modeling of the eyelids, of the ear, and especially of the hair. The hair in the original seems actually to grow out of the head, while in the copy it appears to be stuck on the surface. The living quality of the Greek work cannot be reproduced by the pointing process in a modern copy any more than it could in the Roman replicas.

---

[45] Metropolitan Museum, *Bulletin*, 1913, pp. 51–52.

[46] *Ibid.*, 1927, p. 143, fig. 2.

Greek drapery is not easy to imitate. The Greek sculptor had such a strong feeling for structure that his drapery is always conceived as a logical whole; we can invariably see whence each fold emerges and where it is going. This was of course difficult to attain by someone deficient in this sense and portraying a garment unfamiliar because not in contemporary use. A good instance is the would-be archaic statue illustrated in figures 541–543. The rendering of the drapery here shows several important misunderstandings. The scheme in general is correct, that is, the himation with its overfold passes from the right shoulder beneath the left arm, and below it is seen the chiton both at the top and at the bottom. But the chiton is not similarly rendered above and below as parts of the same garment; and at the back the himation never emerges from underneath the left arm, but shows an entirely different arrangement. What a contrast, moreover, between the profile view of this forgery and that of a genuine classical work (cf. fig. 544[47]) ; how entirely the sense of life and feeling for form in the Greek original are missed in the uncompromising vertical line of the imitation! In trying to imitate the stiffness of the early poses the forger has missed the subtle variety that gives them beauty.

The forgeries of terracotta figurines are a good field for the study of drapery. Figure 546 is a statuette in the Metropolitan Museum, exhibited in the case of forgeries in the Sixth Classical Room for comparison with the genuine Greek examples. The girl wears a long chiton and a himation loosely draped over the lower part of her body. The chiton appears to be girt below the breasts; but we know this only because there is a horizontal dividing line. There is no continuity between the folds of the upper part of the garment and the lower, no indication of the effect created by the drawing in of a belt, no interest in pursuing a fold from its beginning to its end. Contrast this with the treatment on a Greek statuette (fig. 545). How clearly the upper portion is conceived as part and parcel of the lower, how well the effect of the belt on the material is studied! We can see what happens to each fold above and below the depression, for there is everywhere a distinct feeling for continuity and structure. And besides this stylistic difference there is here too a tangible clue; for the forger has made an amusing mistake in the rendering of the garment. Below the mantle the chiton becomes again visible, as it so often does in the Greek statuettes. But so little did the artist understand what he was representing that he showed it with two edges, as if the woman wore two chitons, one a little shorter than the other.

---

[47] Dickins, *Catalogue of the Acropolis Museum,* No. 674.

Of course the mistakes are not always so obvious. Figure 548 shows a woman wearing a chiton and wrapped in her himation. There are no palpable misunderstandings, except the way the chiton is rendered at the bottom. Naturally where it falls over the feet the vertical folds are affected, and this is correctly indicated; but this oblique direction is retained also in the intervening portions where there is no reason for any interference with the vertical hang—again a lack of structural sense on the part of the maker. Even more noticeable, however, is the hesitating way in which the folds of the himation are represented. There is not the firm swing in the required directions which we find invariably in similar Greek renderings, e.g., in figure 547. We see that a groping hand is at work, feeling its way in an unfamiliar field.

The most difficult quality of all for the modern forger to imitate is the Greek simplicity and aloofness; his figures are almost invariably affected, theatrical, and self-conscious. Extreme examples are the statuettes in New York of a young lady sitting on a rock, looking at herself in a mirror, her head a little on one side (fig. 549), and of a girl stretched out on the floor, her arm resting on a footstool, in quiet contemplation (fig. 551). The Greek figures do not assume such recherché, theatrical, self-conscious postures. If they contemplate, they make no outward show of it (cf. fig. 206). If they look into their mirrors, they do so quietly and unaffectedly (cf. fig. 550). If they hold anything, they grasp it in the natural way. It is this poise, which constitutes the charm of the Greek figures, which is so difficult to imitate, and so the lack of it becomes the distinguishing element in a modern forgery.

The comparison of a modern gem engraving of Amymone[48] (fig. 553) with its ancient prototype[49] (fig. 552) brings out the same difference in conception. According to the story Amymone was sent by her father to fetch water, and was helped in her quest by Poseidon. In the ancient representation she is stooping to fill her jug with water in a convincing, lifelike manner; in the modern rendering she sits upright in an uncomfortable position holding the jug as if it were a symbol like the trident. The Greek artist conceived Amymone in appropriate action; with the modern interpreter she becomes ineffective.

---

[48] Metropolitan Museum, *Catalogue of Engraved Gems,* No. 419.

[49] Furtwängler, *Antike Gemmen,* pl. XXX, 29.

The imitation of Greek grave reliefs is particularly difficult. The detached serenity of the Greek figures is so far removed from modern conceptions that it is almost impossible to reproduce. A relief from one of the storerooms of the Berlin Museum[50] (fig. 554) will bear this out. How different are the insipid expressions of the man and woman from those of their prototypes! The scene has become a social incident; there is no trace of the former pathos and aloofness. And the finial on the top of the stele appears stilted, the leaves have not the living quality of growth so conspicuous in Greek akroteria.

In another grave relief in Berlin (fig. 555), of fifth-century style, the modern sculptor has succeeded a little better. He has at least avoided modern sentimentality. But instead of the grace of fifth-century work the figures have a stiff, wooden quality. The filling of the space—with its central figure and little boy placed on each side—immediately strikes us as unsatisfactory when we compare it with the harmonious compositions of even cursorily worked Greek stelai. And then there are other "give-aways." The chair, a would-be *klismos*, is misunderstood and has no back.[51] The farther arm and hand of the woman are in too high relief. A sculptor of the second half of the fifth century, with his complete knowledge of planes in relief, would have made them less prominent so that they should take their proper place in the far distance (cf. p. 170).

We find similar inconsistencies in the grave stele of Poseidippos in the Barracco Museum of early fourth-century style (fig. 556).[52] Though the Greek aloofness is almost caught, there is a sentimental touch, for instance, in the inclination of the man's head, which gives it away; and the woman's face has a distinctly modern touch. Furthermore, the breasts of the woman in three-quarters view are unconvincing; the folds show a curious hesitancy; the hands are extraordinarily feeble; the footstool is not properly rendered (the curved foot on the right should be repeated on the left) and the curves of the legs of the *klismos* have no proper swing; finally the letters of the inscription are not correct for a fifth-century or early fourth-century date: the bottom stroke of the σ should be slanting instead of horizontal, the fourth stroke of the last two π's should be shorter (as in the first).

---

[50] I am greatly indebted to the authorities of the Berlin Museum for letting me have photographs of the two pieces illustrated in figs. 554, 555, both of which have long been recognized as forgeries by them.

[51] Cf. my *Ancient Furniture*, pp. 45 ff.

[52] *Catalogue of the Barracco Museum*, pl. LI.

Of late there have come into the market important forgeries of a rather different calibre from those described—not copies or adaptations, but actual creations in the ancient style.[53] Though some are remarkably successful, their modern origin can be detected by the same criteria as those applied to the other forgeries. Analysis will inevitably show occasional inconsistencies in the rendering and a different outlook in the conception. The fine simplicity and vitality of the Greek works are apparently too difficult for us moderns to attain; and even when lively action is attempted, the effect of the whole is dead.

Besides the test of style there are the physical and chemical conditions of the material to help us in our examination. Ancient marbles, for instance, having been exposed to the air and the soil for long periods of time, generally show a disintegration of the surface due to attack by acids in the air and soil, an opening of the spaces between the crystals, and a certain amount of penetration of rust and other stains, whereas in a modern marble such discolorations are merely superficial. In other words, in an ancient marble we generally find a gradual transition in color or crystalline structure from the outermost layers to those underneath, due to an interaction of the soil matter and the marble (forming, for instance, calcium silicate); whereas in a modern marble a perfectly fresh layer can be exposed immediately below the surface. Furthermore, the soil matter on the surface of a forgery is generally loosely adherent, whereas the incrustation on an ancient marble can often be soaked in water for weeks without being affected. Ancient rootmarks have generally become strongly embedded in the marble; those of more recent formation have not penetrated beneath the surface. In an ancient marble the "weathering" varies according to exposure to the elements, the sheltered parts, for instance, of pedimental figures being generally better perserved than the exposed ones; in a forgery, on the other hand, the "weathering" often uniformly covers the whole surface.[54]

---

[53] Cf., e.g., the striding Athena and the group of a youth carrying a girl, by Dossena, illustrated in Studniczka's article, *Neue archaische Marmorskulpturen, Falsches und Echtes,* in *Jahrbuch,* 1928, pp. 140 ff.

In bronzes similar conditions obtain to those in marbles. In ancient bronzes there is an opening up of the crystals and the penetration of the products of corrosion (malachite or cuprite) into the intervening spaces, whereas in modern bronzes there is no such penetration below the surface. An ancient bronze shows a lack of uniformity in the corrosion of the surface; certain areas are much more affected than others. A modern forgery is apt to have a uniform surface throughout. Furthermore, the color of ancient bronze is generally more reddish than that of modern imitations, which usually contain more of the cheaper zinc.[55]

But also in these physical analyses there are pitfalls; at least chemists and mineralogists have been known to pronounce as genuine works which later have been proved modern. And we must always remember that a forger can select an ancient piece of marble and rework it. Nevertheless the endorsement of a stylistic judgment by physical criteria is certainly helpful in doubtful cases.

If it is important to be able to detect a modern forgery, it is at least as important to recognize a Greek original. It requires the same faculty—an appreciation of the essential qualities of a Greek work of art. Since the Greeks have a tendency to confine their representations to a limited number of established types, the natural reaction in archaeological circles when something uncommon appears is to suspect it. It is unusual; therefore it cannot be right. But that is not a safe criterion. We cannot pretend to know all that was usual among the Greeks, for their output was much greater than what remains of it today; so that we must not expect to find an exact parallel for everything. A much saner method is to draw the dividing line between what is Greek in spirit and in general practice, and what is not.

One of the most interesting archaeological controversies of our time has been waged round the Boston counterpart of the "Ludovisi throne"[56] (figs. 477–479). Its authenticity has been suspected by one of the best-known English archaeologists, one of the best-known French archaeologists, and one of the best-known German archaeologists, the first and the last attacking it in print. It is tedious to rehearse these arguments now; for though only about ten years old they are already out of date and the genuineness of the reliefs is now practically unquestioned. The general trend of the protests was that the expression of emotion in the faces of the figures had no counterpart in contemporary works, the conelike shape of the weights on the balance had no parallel, the band on the hair of the old woman was unusual, the position of the feet strange, etc., etc. In many cases, such as the expression of emotion, we can quote similar instances enough; with others it seems negligible whether we have parallels or not. In the things that stand out—the well-knit human bodies, the structural drapery, the harmony of the composition, the treatment of the relief—the figures are essentially Greek. And in the paraphernalia employed there is nowhere the slightest mistake. The most natural inference therefore is that it is a Greek work. It is, moreover, one of the most beautiful that have survived.

---

[54] On this subject cf. also some helpful remarks by Théatès in *Le Musee,* V, 1908, pp. 284 ff.

[55] I am indebted to Dr. Colin G. Fink, head of the department of electro-chemistry at Columbia University, for help in the preparation of these statements.

[56] Caskey, *Catalogue,* No. 17.

There is a small piece of sculpture in the Metropolitan Museum which is another interesting stylistic study. It is a silver pendant of a bracelet,[57] fashioned in the form of a satyr playing the syrinx (figs. 557, 558), the provenance said to be South Russia. The satyr is represented half crouching, half sitting, with the hoof of one leg tucked under the knee of the other in a charmingly lifelike attitude; and though only a little over one inch in height, it is modeled with all the care and finish one might bestow on an important statue. The curved little body, the shaggy hair on the goat's legs, every feature of the face, all are beautifully rendered; even such a detail as the pressing of the fingers on the pipes of the syrinx is carefully indicated, though it can hardly be seen with the naked eye. But most remarkable of all is the expression of the face. The satyr is evidently absorbed in the music he is making, and he is giving himself up completely to his pleasurable sensation. It is a wonderful achievement in psychological interpretation. When the piece was first published in the Museum *Bulletin*[58] doubts were cast on it by several archaeologists. The argument advanced was that it resembled greatly a gold bracelet which had appeared in the market some years before and which was a palpable forgery. The news was distinctly disturbing. If such a delectable thing, so exquisitely modeled and worked, were a forgery, what criterion had one for future judgment? Fortunately a photograph of the gold piece was found (fig. 559). What a revelation of differences it proved! The piping satyr was similar in attitude, it is true, and it was suspended also from a chain, though a much coarser and clumsier one. But how different the conception of the two! Where our Pan is unaffectedly absorbed in the music he is making, the gold one has a sentimental expression of world weariness that condemns it immediately as non-Greek. Moreover, he is holding the syrinx to his chin instead of to his lips, so that he could not possibly be making any sound. Very noticeable also is the difference between the shaggy hair so clearly growing out of the legs of our satyr, sufficiently differentiated and yet headed more or less in one direction, as is the case on living animals, and the little unattached curls going every which way on the forgery. So the examination of the gold specimen, so clearly lacking in all the essentials of Greek treatment, only made one appreciate the more the genuine character of the silver specimen.[59]

---

[57] Metropolitan Museum, *Handbook* (1930), pp. 195–196, fig. 134.
[58] 1922, pp. 134–135.

When experts disagree and leading critics can be found at variance regarding the authenticity of certain works, how can such questions be finally settled? Sometimes we are so fortunate as to be able to discover the actual forgers. But that is rare. In many cases the question remains open, and in these we can only say with Gaugin: "Criticism passes, good work remains."[60]

---

[59] For an endorsement of the genuineness of our bracelet after a chemical analysis, cf. Dr. C. G. Fink's report in *The Restoration of Ancient Bronzes and Other Alloys*, Metropolitan Museum, 1925, p. 48.

[60] Quoted by E. Abbot on the title-page of her book, *The Great Painters*.

PART TWO

GREEK SCULPTORS

WE have tried in the foregoing chapters to study Greek sculpture purely as an artistic manifestation. Our endeavor has been to appreciate its manifold beauty and to follow the story of its achievements by a direct consideration of the products themselves. So as not to encumber our path we have given little attention to the sculptors who produced these works—deeming their art more important than themselves. Nevertheless, a study of Greek sculpture is not complete without a realization of the personalities who helped to determine its development. To recapture in our imagination the individualities of these great men, to gauge the separate contribution of each to the history of Greek sculpture is an inspiring but also a difficult task. For to arrive at a correct appreciation we must sift carefully the evidence at hand—literary, epigraphical, and stylistic—which has become somewhat confused by many conflicting theories and doubtful attributions. In our analysis of these artists we shall endeavor to admit only such data as appear unassailable, citing where possible the original sources of our knowledge rather than the opinions of recent writers. In this way only can we build our reconstructions on a solid foundation.

CHAPTER I

ARCHAIC PERIOD

WE know too little of the individual sculptors of the earlier archaic period properly to visualize them. Ancient writers, it is true, give us a good deal of general information concerning them;[1] but it is rarely[2] that we can associate a specific sculptor with an extant work, for instance the Argive sculptor [Poly]medes[3] with the figures of Kleobis and Biton at Delphi (cf. fig. 17) where the signature appears on the base; or Endemos with one of the seated statues from Branchidai inscribed with his name.[4] But even in such cases the evidence consists of isolated works, and is insufficient for the forming of a proper estimate. Moreover, during this early period art was less individual than later, for men adhered more strictly to the current types, so that the characteristics of a single artist are more difficult to grasp. Nevertheless we can appreciate what these early sculptors—Daidalos, Dipoinos, Skyllis, and their followers —collectively accomplished. They were the leaders in that phenomenal transition from the primitive, geometrized renderings of the eighth century to the archaic "Apollos" (cf. figs. 13 ff.). Diodorus (IV. 76) describes this change in picturesque language, ascribing the whole movement to Daidalos: "And in the sculptor's art he so far excelled all other men that in after times the fable was told of him that the statues which he made were like human beings; for they saw and walked, and, in a word, exercised every bodily function, so that his handiwork seemed to be a living being. And being the first to give them open eyes, and parted legs, and outstretched arms, he justly won the admiration of men: for before his time artists made statues with closed eyes and hands hanging down and cleaving to their sides." It is evident that the rapidity of this development was helped by the inspiration derived from Egypt (cf. p. 51). Later, when Greek sculpture had become more sophisticated, these early efforts were naturally not appreciated. According to Plato,[5] for instance, sculptors of his time held "that Daidalos, were he now to be born and to make statues such as those by which he won his fame, would be laughed to scorn." And yet it was admitted that "a kind of divinity rested upon his works."[6] We too have the same mingled impression when we view these early creations—of primitiveness combined with grandeur.

---

[1] Cf. Overbeck, *Schriftquellen,* Nos. 74 ff., 314 ff.

[2] The Nike of Delos used to be associated with the base bearing the names of Mikkiades and Archermos (Loewy, *Inschriften,* No. 1), but recent research has rendered this connection doubtful (cf. Sauer, *Ath. Mitt.,* 1891, pp. 182 ff.).

[3] Poulsen, *Delphi,* p. 95; von Premerstein, *Oest. Jahresh.,* XIII, 1910, 41 ff. Only the end of the name is preserved, and some think there is "not room for more than two or three letters at the beginning"; but the bad preservation of the stone makes this doubtful.

[4] Pryce, *Catalogue of Sculpture in the British Museum,* I, 1, No. B 273.

In the later archaic period our knowledge becomes somewhat enlarged. We know now by name a number of sculptors who can be connected with specific works. Thus Endoios is probably the sculptor of the seated Athena in the Akropolis Museum[7] (fig. 64), for it was found at the northern slope of the Akropolis, that is, near the Erechtheion where Pausanias[8] saw a statue of Athena by Endoios; and Endoios can be dated in the period of the Akropolis statue by several inscriptions.[9] Antenor made the early group of the Tyrannicides[10] (cf. p. 197) which is perhaps depicted on some vases and coins[11] (cf. fig. 568); and he signed his name on a base on which perhaps stood one of the most imposing of the Maidens in Athens[12] (fig. 273). Ageladas of Argos, the reputed teacher of Pheidias[13] (cf. p. 213), Myron,[14] and Polykleitos,[15] made a statue of Zeus for the Messenians[16] the general composition of which appears to be reproduced on coins of Messene[17] (fig. 562). Aristokles has signed the famous stele of Aristion[18] (fig. 424); Phaidimos a base in Athens[19] on which the beautiful feet of an archaic maiden are still preserved, and another now in New York[20] with a dedicatory inscription but no longer a statue. And so on.

---

[5] *Hipp. maj.* 282A.

[6] Pausanias II. 4. 5.

[7] Dickins, *Catalogue,* I, No. 625.

[8] I. 26. 4.

[9] Cf. Loewy, *Inschriften,* No. 8, and one of the statue bases recently found in Athens (*Arch. Anz.,* 1922, p. 59). He also made the ivory temple statue in the temple of Athena Alea in Tegea (Pausanias VIII. 46. 4) and wooden statues at Ephesos and Erythrai.

[10] Pausanias I. 8. 5.

[11] Cf. Richter, *A.J.A.,* 1928, p. 6.

[12] Dickins, *op. cit.,* I, No. 681.

[13] Suidas, Γελάδας; Tzetzes, *Chil.* VIII. 325; Schol. Aristoph., *Frogs* 504.

[14] Pliny, *N.H.* XXXIV. 57.

[15] Pliny, *N.H.* XXXIV. 55.

[16] Pausanias IV. 33. 2.

[17] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. P, iv and v. The date of Ageladas has given rise to much discussion. Frickenhaus proposes an older and a younger Ageladas (*Jahrbuch,* 1911, pp. 24 ff.).

[18] Loewy, *op. cit.,* No. 10.

[19] National Museum, No. 81; cf. Eichler, *Oest. Jahresh.,* 1913, pp. 86 ff.

[20] Metropolitan Museum, *Bulletin,* 1925, p. 269, fig. 1.

CHAPTER II

TRANSITIONAL PERIOD

WHEN we reach the transitional period of 480–450 a new era dawns. Greek sculpture passes from archaism to freedom and experimentation, and naturally such an epoch produced and was probably largely conditioned by great leaders. Our study of Greek sculptors as individual artistic personalities properly begins now, for only from now on have we the material on which to base it. The outstanding names of this time are Kritios (with his collaborator Nesiotes), Pythagoras, Kalamis, and Myron.

(*a*) *Kritios*

Origin

Date

Kritios was probably an Athenian, for he is called Attic by Pausanias[1] and his recorded works were all produced in Athens. He signed his name with that of Nesiotes on three statue bases found on the Akropolis datable about 460 or earlier.[2] One of these inscriptions gives the name of the dedicator Epicharinos and therefore probably formed part of the work seen by Pausanias[3] and described in the words: "Among the portrait statues which stand next to the horse is that of Epicharinos, who practised the race in armor." But Kritios owes his fame, with posterity at least, to his statues of the Tyrannicides Harmodios and Aristogeiton with which he was commissioned after the original statues by Antenor had been carried off by Xerxes. The story is succinctly told by Pausanias:[4] "Not far off (in the market-place) are the statues of Harmodios and Aristogeiton, who slew Hipparchos. The one pair are the work of Kritios while the older ones were made by Antenor. When Xerxes captured Athens after the Athenians had deserted the city, he carried them away as spoils, and Antiochos afterward restored them to the Athenians." (According to Arrian[5] and Pliny[6] it was Alexander the Great who restored them to Athens, and according to Valerius Maximus[7] it was Seleukos.) The statues are referred to also by a number of other writers. They evidently enjoyed a great reputation. We know moreover the exact date in which they were set up, viz., in the archonship of Adeimantos, i.e., Olympiad 75,4 = 477 B.C.[8] They were probably of bronze,[9] as were those by Antenor. Though there is no detailed description of these statues it has been possible to identify copies of them (since groups at this period are rare and the subject is uncommon) in two advancing men which occur on a number of monuments. These consist of coins, vases, and marble reliefs[10] as well as full-size statues (cf. figs. 565 ff.), the latter of the style of the period in question.[11] The most complete marble copies are those in the Naples Museum[12] (fig. 571[13]). Other replicas of the head of Harmodios are in the National Museum of the Terme in Rome[14] and in the Metropolitan Museum in New York[15] (figs. 565, 566); further copies of the head of Aristogeiton are the so-called Pherekydes in Madrid,[16] the Towneley head in the British Museum,[17] and one in the Vatican[18] (fig. 574); there is a torso in the Boboli Gardens[19] which is another replica of the Aristogeiton.

---

[1] VI. 3. 5.

[2] Loewy, *Inschriften,* Nos. 38–40. The inscriptions give the correct spelling Kritios as against Kritias in the literature.

[3] I. 23. 9.

[4] I. 8. 5.

[5] *Anabasis* III. 16. 7–8.

[6] *N.H.* XXXIV. 70.

Style To appreciate the composition of this remarkable work we must remember that the Naples group has been extensively restored.[20] We shall obtain a more adequate idea of its original appearance by the copies of the group on the minor monuments, with the help of which full-size casts have been reconstructed, reproducing the original action (figs. 575–577[21]). Their relative positions have given rise to much discussion; but it seems clear that they stood side by side (as on the Kyzikos coin), not one behind the other. The group forms an amazingly vigorous composition, introducing a number of innovations which mark its advance over the older creation by Antenor, such as the position of the right arm in the Harmodios, with the forearm brought over the head, which imparts a new energy to the whole figure.[22] Lucian's[23] estimate of the style of the school of Kritios and Nesiotes as "closely knit and sinewy and stiff and severe in outline" is based on the conceptions of a later age. Compared with what went before them the Tyrannicides show an astonishing progress. On the strength of this work Kritios[24] must be classed as a leader in the new era. His greatness and the appreciation in which he was held are further indicated by the fact that he was the founder of a school and had several distinguished pupils.[25]

---

[7] II. 10 ext. 1.

[8] *Marm. Par. Epoch.* I. 1. 70 ff.

[9] For the evidence cf. Frazer's *Pausanias,* II, p. 93.

[10] For an enumeration of these cf. Frazer, *op. cit.,* II, pp. 94 ff., and Richter, *A.J.A.,* 1928, p. 5.

[11] Now that we know so well the stylistic development of Greek sculpture during the late sixth and the early fifth century B.C., the claim that these statues are copies of the Antenor group has been practically abandoned.

[12] Ruesch, *Guida del Museo Nazionale di Napoli,* Nos. 103, 104 (6009, 6010).

[13] I am indebted to A. Maiuri, director of the Naples Museum, for permission to publish this photograph which shows the Aristogeiton as recently reconstructed—with the fourth-century head replaced by a cast of the head found in the Magazzini of the Vatican.

[14] Formerly in the Villa Mattei, cf. Arndt, *Einzelaufnahmen,* No. 115.

[15] *A.J.A.,* 1928, pp. 1 ff., figs. 1 and 2.

[16] Hübner, *Ant. Bildw. in Madrid,* p. 110, No. 176.

[17] Smith, *Catalogue,* No. 1612.

[18] Strong, *Illustrated London News,* Sept. 9, 1922, p. 382, fig. 6. To be published by G. Kaschnitz-Weinberg in the *Atti della Pontificia Accademia di archeologia.*

[19] Arndt, *op. cit.,* No. 99.

[20] Of Harmodios: the plinth and tree trunk, the right leg (almost entire), the left leg from the knee down, both arms. Of Aristogeiton: the head, the left hand, small pieces of the drapery and the plinth, three toes of the left foot; the left arm with the drapery has been broken off and replaced.

Other works have been tentatively attributed to Kritios on the strength of their general resemblance to the Tyrannicides, especially the Youth in the Akropolis Museum[26] (fig. 30). But even the latter has not quite the same clear demarcation of the muscles or the swing of the composition which characterizes both the Harmodios and the Aristogeiton. It is better to build our estimate of Kritios solely on these two well-authenticated works.

(*b*) *Pythagoras*

Origin

Pythagoras was a Samian by birth, for he signs himself Πυθαγόρας Σάμιος in the inscription on the base of a portrait of Euthymos the boxer;[27] and Pliny[28] and Pausanias[29] refer to him as "of Rhegion"; so that he probably was one of the emigrants who left Samos after its fall in 496 B.C. for Zankle and thereby became subject to Anaxilas of Rhegion.[30] He is said to have been the pupil of Klear-

---

[21] The body has been made to lean a little farther forward than in the illustrations of the first edition

[22] Cf. Richter, *A.J.A.*, 1928, pp. 1–8.

[23] *Rhet. Praecept.* 9.

[24] Since Kritios is several times mentioned by ancient writers without Nesiotes he was evidently the more important of the two sculptors.

[25] Cf. Pausanias VI. 3. 5; Pliny XXXIV. 85; Lucian, *Rhet. Praecept.* 9; Pfuhl, *Die Schule des Kritios*, in *Jahrbuch*, 1926, p. 48.

[26] Dickins, *Catalogue*, No. 698.

[27] Loewy, *Inschriften*, No. 23.

[28] E.g., *N.H.* XXXIV. 59.

[29] E.g., VI. 18. 1.

[30] This twofold origin is probably responsible for the confusion which led Pliny (*N.H.* XXXIV. 59) and Diogenes Laertios (VIII. 46) to distinguish two sculptors, one of Samos, the other of Rhegion.

Date chos of Rhegion.[31] His date can be determined by the facts that he made a statue of the runner Astylos,[32] in celebration of his first victory at Olympia (488), that his statue of the boxer Euthymos was set up after the latter's third victory in 472,[33] and that there were statues by him of the wrestler Leontiskos of Messene[34] (456), of the hoplite-runner Mnaseas of Kyrene[35] (456), and of Kratisthenes of Kyrene[36] (448). So his activity appears to lie in the period during **Style** and following the Persian wars. In his work he is said to have combined a certain advance in naturalism—Pliny[37] speaks of him as "the first to represent sinews and veins and to bestow attention on the treatment of hair"—with a new sense for harmonious composition: "He is thought to have been the first to aim at rhythm and proportion."[38] In other words he recognized and dealt with the two great needs and tendencies of his time; and his achievements brought him great fame and recognition, for he is listed with the foremost Greek sculptors by Pliny[39] and was judged to have surpassed even **Works** Myron with a statue of a pankratiast dedicated at Delphi.[40] The subjects of his works enumerated by ancient writers include—in addition to the usual victorious athletes[41] and a four-horse chariot group of Kratisthenes the Kyrenean with himself and a Nike mounted on the car[42]—such individual creations as "a lame man at Syracuse the pain of whose wound seems to be felt by the spectator,"[43] "a magnificent bronze group at Tarentum of Europa carried away by the bull,"[44] "Apollo transfixing the serpent with his arrows,"[45] and "Eteokles and Polyneikes killing each other."[46] In his attempt at new compositions and his novel interest in emotion he was again a child of his time and doubtless a leader in this new movement.

With this somewhat general information it is not surprising that it has not been possible to identify with certainty any of his works with extant statues. There has of course been no lack of attributions. The "Omphalos Apollo" (figs. 36, 37) has been thought to reproduce his statue of the boxer Euthymos,[47] the Valentini torso in Rome his lame Philoktetes,[48] a bronze statuette of a kithara player in the Hermitage[49] (fig. 67) his lyre-player,[50] and a group of Europa and the bull in the British Museum[51] his representation of this subject.[52] Several bronze statuettes have been attributed to him for their "rhythm and fine proportion."[53] But tempting though it be to connect some of the few statues we have of this period with one of its most prominent artists, we must admit that we are not adding to our knowledge thereby. We may make a few guesses and regard them as such; we may surmise that the influence of Pythagoras' creations was widespread and survived in many later representations: that, for instance, the wounded Philoktetes on a later fifth- or early fourth-century gem in the Louvre[54] (fig. 564) is reminiscent of the sculptor's famous statue; or that the fifth-century terracotta statuettes of Europa[55] give us some idea of the harmonious composition of his group; or again, that the Apollo killing the serpent on the coins of Kroton[56] (fig. 563) is based in a general way on Pythagoras' design. But these are all conjectures, and unfortunately do not enable us actually to realize the personality of one of the greatest and most original of Greek sculptors.

---

[31] Pausanias III. 17. 6.

[32] Pliny, *N.H.* XXXIV. 59; Pausanias VI. 13. 1.

[33] Loewy, *Inschriften,* No. 23; Pausanias VI. 6. 4–6; Grenfell and Hunt, *Oxyrhynchus Papyri,* II, p. 88, col. I, lines 12 and 25.

[34] Pausanias VI. 4. 3; Grenfell and Hunt, *op. cit.,* II, p. 89, col. II, line 2.

[35] Pausanias VI. 13. 7 and 18. 1; Pliny, *N.H.* XXXIV. 59.

[36] Pausanias VI. 18. 1.

[37] *N.H.* XXXIV. 59.

[38] Diogenes Laert. VIII. 46.

[39] *N.H.* XXXIV. 49.

[40] *N.H.* XXXIV. 59.

[41] Besides the references quoted above, cf. Pausanias VI. 7. 10 (statue of Dromeus), Pausanias VI. 6. 1 (statue of Protolaos).

[42] Pausanias VI. 18. 1.

[43] Pliny, *N.H.* XXXIV. 59.

[44] Varro, *L.L.* V. 31.

[45] Pliny, *N.H.* XXXIV. 59.

[46] Tatian, *c. Graec.* 54.

(*c*) *Kalamis*

Origin

Date

EQUALLY tantalizing is our ignorance of Kalamis, a slightly younger contemporary of Pythagoras. We do not even know his origin. His works were widely scattered, but he was active also in Athens, and had there some important commissions;[57] so it is generally assumed that he was an Athenian. His date may be deduced from the following recorded facts: He made "race horses with boys seated on them for a chariot group commemorating the Olympic victories of Hieron, tyrant of Syracuse."[58] The victory was won in 468; but since Hieron died the following year, "the debt was paid to the god by Deinomenes, the son of Hieron,"[59] that is, the group must be after 467. He was employed by Pindar (*c.* 522–*c.* 442) for a statue of Zeus Ammon at Thebes.[60] In Quintilian's[61] Canon of Sculptors he is placed between Hegesias and Myron. Pausanias states that he made a statue of Apollo[62] the Averter of Ill (Alexikakos) and that this epithet was given to the god "because he put an end to the plague which afflicted them at the time of the Peloponnesian war by means of an oracle from Delphi."[63] The great plague of the Peloponnesian war was so terrible an experience that it seems to have wiped out all memories of former visitations. We may infer therefore that Pausanias here makes this common error; for 430–429 would be an improbably late date for Kalamis. All the other evidence[64] points to 475–450 as his most flourishing period.

---

[47] Waldstein, *J.H.S.*, I, pp. 168 f.

[48] Waldhauer, *Pythagoras of Rhegium,* pp. 73 ff., figs. 16–18.

[49] *Ibid.,* pp. 69 ff., figs. 13–15.

[50] Pliny, *N.H.* XXXIV. 59.

[51] Cf. Smith, *Catalogue,* III, pl. 1, No. 1535.

[52] Waldhauer, *op. cit.,* pp. 63 ff.

[53] Langlotz, *Fruehgriechische Bildhauerschulen,* pp. 147 ff. The most recent attribution is an akrolithic statue of Apollo found at Cirò in South Italy (cf. Della Seta, *Italia Antica* [1928], p. 157, fig. 156).

[54] Furtwängler, *Antike Gemmen,* pl. XXXI, 10; cf. also pl. XXI, 20–24.

[55] Cf. Metropolitan Museum, *Handbook* (1930), p. 142, fig. 100; the similar figure in the British Museum, No. C 184, has a head which does not belong to it.

[56] Head, *Historia num.,* p. 96, fig. 54.

[57] Cf. pp. 203, 204.

Style We have some valuable, though again rather general information regarding his style. Quintilian[65] and Cicero[66] both estimate his statues as less stiff and rigid than those of Kallon, Hegesias, and Kanachos, but not so supple as those of Myron. That is, his work retains only slight traces of archaism but has not yet reached the freedom of the compositions of Myron. Lucian[67] in his description of the Panthea, the ideal statue which is to combine the excellencies of all the best works of art, wants Kalamis and his Sosandra "to adorn her with reverence and supply the noble and unconscious smile of the goddess, and the simple and orderly arrangement of the drapery, except that she shall not have her head covered."[68] The refinement of his work is also brought out in the passage of Dionysios of Halikarnassos[69] in which he compares "the oratory of Isokrates to the art of Polykleitos and Pheidias with its grandeur and breadth of style and sublimity, and that of Lysias to the art of Kalamis and Kallimachos with its delicacy and grace." He was a great sculptor of horses and had indeed no equal in this field.[70] Praxiteles is said to have placed a charioteer of his own on a four-horse chariot of Kalamis "lest the artist who excelled in representing horses should be thought to have failed in his treatment of the human figure.[71]

---

[58] Pausanias VI. 12. 1.

[59] *Ibid.*

[60] Pausanias IX. 16. 1.

[61] XII. 10. 7.

[62] For the temple of Apollo Patroos in the Kerameikos.

[63] Pausanias I. 3. 4.

[64] Pausanias' statement (X. 19. 4) that Praxias, a pupil of Kalamis, worked on the pediments of the temple of Apollo at Delphi presumably refers to a later Kalamis; for this temple completed *c.* 510 was not destroyed till *c.* 373, and Praxias is named as son of Lysimachos in an inscription from Oropos datable a little before 338 B.C. (Loewy, *Inschriften*, No. 127a). On the younger Kalamis cf. Studniczka, *Kalamis*, pp. 5–14.

[65] *Inst. orat.* XII. 10. 7: Nam duriora et Tuscanicis proxima Callon atque Hegesias, iam minus rigida Calamis, molliora adhuc supra dictis Myron fecit.

[66] *Brut.* 18. 70: Quis enim non intelligit Canachi signa rigidiora esse quam ut imitentur veritatem; Calamidis dura illa quidem, sed tamen molliora quam Canachi.

[67] Εἰκόνες 6. Cf. also his *Dialogues of the Hetairai* III. 2.

[68] ἡ Σώσανδρα δὲ καὶ Κάλαμις αἰδοῖ κοσμήσουσιν αὐτήν, καὶ τὸ μειδίαμα σεμνὸν καὶ λεληθὸς ὥσπερ τὸ ἐκείνης ἔσται, καὶ τὸ εὐσταλὲς δὲ καὶ κόσμιον τῆς ἀναβολῆς παρὰ τῆς Σωσάνδρας πλὴν ὅτι ἀκατακάλυπτος αὕτη ἔσται τὴν κεφαλήν.

Works

The most famous of Kalamis' works seems to have been the Sosandra referred to with so much praise by Lucian. Since Lucian[72] speaks of her as "seen by all who ascended the Akropolis," it has been suggested that she was identical with another work by Kalamis —a statue of Aphrodite dedicated by Kallias[73] which Pausanias saw at the entrance of the Akropolis.[74] It is certainly an ingenious theory. An Aphrodite with "covered head" would not be so out of place in the first half of the fifth century as later. Among the figures of deities, we hear of two statues of Apollo—the Apollo Alexikakos in the Kerameikos at Athens[75] and a colossal statue, thirty cubits in height, at Apollonia on the Black Sea,[76] perhaps reproduced on coins of that city[77] (fig. 560). Pausanias[78] mentions as a work of Kalamis a "Hermes carrying a ram on his shoulders" set up by the people of Tanagra. The statue commemorated the averting of a plague by the god's carrying a ram round the city wall; and a Hermes Kriophoros appears on Roman coins of that city[79] (fig.

---

[69] *De Isocr.* 542 R.

[70] Pliny, *N.H.* XXXIV. 71; and Propertius III. 9 and 10.

[71] Pliny, *N.H.* XXXIV. 71. To our taste such a combination of styles would be a doubtful improvement. The suggestion that the reference is to the elder Praxiteles is open to the objection that Kalamis was at least as able a sculptor of the human figure as he.

[72] Εἰκόνες 4.

[73] Kallias was a brother-in-law of Kimon and is said to have won his wife Elpinike by paying fifty talents to free Kimon from arrest for a debt incurred by his father. It is suggested that Kallias' Aphrodite was nicknamed Sosandra (Saviour of Men, instead of Soteira, her usual epithet) as a result of this incident (cf. Benndorf, *Das Cultusbild der Athena Nike,* p. 45). The base of Kallias' dedicatory statue has been found on the Akropolis (*I.G.,* I, No. 392).

[74] Pausanias I. 23. 2.

[75] Pausanias I. 3. 4.

[76] Strabo VII. 319; Pliny, *N.H.* XXXIV. 39; Appian, *Illyr.* 30. A third statue of Apollo is attributed by Pliny, *N.H.* XXXVI. 36 to "Kalamis, the engraver" (*caelator*), the artist of two beautifully wrought cups (Pliny, *N.H.* XXXIV. 47), apparently a later artist.

[77] Pick, *Jahrbuch,* 1898, pls. 10, 26–28; Reisch, *Oest. Jahresh.,* IX, 1906, p. 222, fig. 64.

[78] IX. 22. 1.

[79] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. X, Nos. XI–XII.

561), evidently reproducing this composition: unfortunately the coins are too badly preserved to give us a clear idea. We also hear of a Dionysos with a Triton at Tanagra,[80] a wingless Victory at Athens,[81] and a Zeus Ammon at Thebes.[82] He was a precursor of Pheidias in the art of producing gold and ivory figures with an Asklepios at Sikyon[83] described as "beardless, holding a sceptre in one hand and in the other a cone of the cultivated pine." A statue of Alkmene set up at Delphi "showed him a master also in the art of representing human beings."[84] A Hermione,[85] bronze boys extending their right hands in prayer,[86] an Erinys,[87] horses,[88] and chariot groups[89] complete the list of his works mentioned by ancient writers.

Unfortunately none of these sculptures can be identified with extant statues. The "Omphalos Apollo" (figs. 36, 37) has been thought to reproduce his Apollo Alexikakos; the "Penelope" in the Vatican[90] (fig. 68) has been associated with his name; and his Hermes Kriophoros has been recognized by some authorities in a statue at Wilton House[91] and in a relief in Athens;[92] all, however, on very slender evidence.[93] It is possible that the lovely bronze horse in the Metropolitan Museum (figs. 349, 350) may give us some idea of the beauty of his famous productions;[94] and such works as the girl with pigeons in New York (fig. 426) may help us to picture the "simplicity and orderliness" (τὸ εὐσταλὲς δὲ καὶ κόσμιον) of the drapery of the Sosandra. But so far we must be content to visualize Kalamis in a general way as a celebrated artist of the transitional period, distinguished for his grace and refinement rather than for the originality of his poses; capable, however, of producing colossal works; working in bronze and marble, as well as in gold and ivory; and a great sculptor of horses. It is a vague picture, but more definite assertions would only blot out the faint traces we have.

---

[80] Pausanias IX. 20. 4. By some identified with the figure on coins of Tanagra, Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. X, Nos. VII and VIII, which, however, appears to be of a later style.

[81] Pausanias V. 26. 6.

[82] Pausanias IX. 16. 1; commissioned by Pindar, see above.

[83] Pausanias II. 10. 3.

[84] Pliny, *N.H.* XXXIV. 71.

[85] Pausanias X. 16. 4.

[86] Pausanias V. 25. 5.

[87] Schol. Aeschin. *Timarch.* 747 R.

[88] Pausanias VI. 12. 1.

[89] Pliny, *N.H.* XXXIV. 71

[90] Helbig, *Führer,*^{3} I, No. 89.

[91] Michaelis, *Marbles in Great Britain,* p. 702, No. 144; Clarac, IV, 658, 1545 B.

[92] Collignon, *Histoire,* I, fig. 207.

[93] E.g., the "Omphalos Apollo" has also been attributed to Pythagoras (cf. p. 201); on the coins of Hermes Kriophoros the god is beardless, while in the marble figures he is bearded.

[94] Metropolitan Museum, *Bulletin,* 1923, pp. 89 ff. It is, however, probably a little earlier than Kalamis' "*floruit.*"

(*d*) *Myron*

Origin

Date

The greatest sculptor of the transitional period was Myron of Eleutherai, a town on the boundary of Boeotia and Attica.[95] According to Pliny[96] he was a pupil of Ageladas and a rival of Pythagoras. He made a statue of Timanthes of Kleonai[97] who won an Olympic victory in 456 B.C.[98] and two statues of Lykinos of Sparta[99] who won a chariot race about 448.[100] An inscribed base[101] placed at the entrance of the Propylaia and dating from about 446 bears the name of "Lykios of Eleutherai, the son of Myron" as the author of the statues. So that the period of Myron's activity seems to lie between 480 and 445 B.C.

Works

Fortunately we are not dependent for our appreciation of Myron on general statements in ancient writings. It has been possible to recognize copies of two of his works in extant statues, and we can thereby obtain a clear conception of his style.

Diskobolos

The identification of the Diskobolos we owe to Lucian's[102] description: "Surely you do not speak of the quoit-thrower who stoops in the attitude of one who is making his cast, turning round toward the hand that holds the quoit, and bending the other knee gently beneath him, like one who will rise erect as he hurls the quoit? No, for that quoit-thrower of whom you speak is one of the works of Myron." By this detailed account—so different from the brief, generalized statements in which ancient writers mostly refer to Greek sculpture—we can identify a splendid composition existing in several Roman copies as the work of Myron (fig. 578[103]). The marble statue in the Lancelotti Palace in Rome,[104] formerly in the Massimi Palace, is the only example with the original head, turned round toward the hand with the quoit, just as Lucian describes. Other good replicas are: a statue from Tivoli in the British Museum;[105] a statue from the same locality in the Vatican;[106] a finely worked torso from Castel Porziano in the National Museum of the Terme, Rome[107] (fig. 581); a torso found at Daphni in the National Museum in Athens;[108] a bronze statuette with the head worked in a later style in Munich[109] (figs. 579, 580); and representations on gems[110] (fig. 583). If we remember that the pose of the Diskobolos[111] has no antecedents, we shall realize what a courageous innovator Myron was. In his representations of a violent action he chose not the striding or crouching or falling types worked out in pedimental sculptures, as some of his contemporaries did,[112] but an entirely novel composition. And the effect of this twisted body in a momentary pose is not restless (at least if seen in full-front view as doubtless intended) but singularly harmonious. We could have no better example, in fact, of the unimportance of the actual subject in a work of art for its quieting effect, and of the significant part played by "symmetry and proportion." The criticism of Quintilian,[112a] "What can be more strained and artificial in its attitude than the famous quoit-thrower of Myron?" comes from a superficial observer; and his defense of it on the ground of its "novelty and difficulty" is not necessary. The Diskobolos is an artistic creation of the first rank, quite independent of the period in which it was produced. The harmony which we note in the composition is also apparent in the modeling. Though it is much more naturalistic than in archaic sculpture, the pattern scheme is still marked, and each

---

[95] Pliny, *N.H.* XXXIV. 57.

[96] *Loc. cit.*

[97] Pausanias VI. 8. 4.

[98] Grenfell and Hunt, *Oxyrhynchus Papyri,* II, p. 89, col. II, line 4.

[99] Pausanias VI. 2. 2.

[100] Grenfell and Hunt, *op. cit.,* II, p. 90, col. II, line 34.

[101] Δελτ. 'Αρχ., 1889, p. 179; Stuart Jones, *Selected Passages,* No. 147.

[102] *Philopseud.* 18.

[103] This illustration is taken from a composite cast of the Lancelotti head, the Vatican body, and some new restorations, especially the left arm.

[104] Cf. Brunn-Bruckmann, *Denkmäler,* pl. 256.

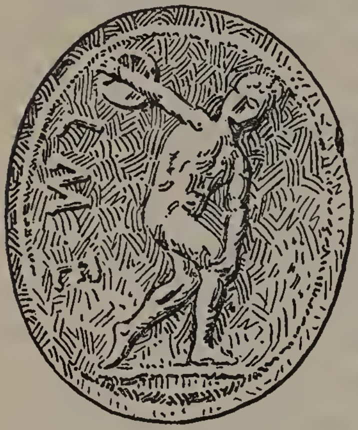


Fig. 583. Diskobolos, on an engraved gem (enlarged)

---

[105] Smith, *Catalogue*, I, No. 250.

[106] Helbig, *Führer*,^{3} I, No. 326; cf. also the fragment No. 788.

[107] *Ibid.*, II, No. 1363.

[108] *Arch. Anz.*, 1915, p. 275.

[109] Sieveking, in Brunn-Bruckmann, *Denkmäler*, pl. 681.

[110] Furtwängler, *Antike Gemmen*, pls. XLIV, 26, 27, and LXVI, 8.

[111] For some polemics regarding the details of this pose, especially the position of the left foot, cf. Schröder, *Zum Diskobol des Myron*, Strassburg, 1913; Sieveking, in Brunn-Bruckmann, *op. cit.*, text to pl. 681; and again Schröder, *Arch. Anz.*, 1920, pp. 61 ff.

[112] E.g., Kritios and Nesiotes, the striding type in the Tyrannicides (p. 198); Pythagoras, the crouching type (?) in his Apollo killing the serpent (p. 201); and Kresilas, the falling type in his Volneratus deficiens (?) (p. 233).

[112a] *Inst. orat.* II. 13. 8.

group of muscles forms a decorative design interrelated with the next group. The features are beautifully and correctly modeled in this same severe, harmonious style, while the hair is indicated by little ringlets lying close to the long skull in the fashion of earlier days.

Marsyas

The second identified work of Myron is the Marsyas. Pliny[113] describes it: Fecit et canem et discobolum et Perseum et pristas et satyrum admirantem tibias et Minervam, "a satyr gazing in wonderment at the flutes and Athena"—unless Minervam is the object of fecit, in which case it might be a single statue, not part of a group with the Satyr. The combination of the two in one composition, however, is made likely by Pausanias'[114] mention of such a group on the Akropolis of Athens: "Here Athena is represented in the act of striking[115] the Satyr Marsyas, because he took up the flutes when the goddess wished them to be thrown aside." Groups of Athena and Marsyas answering such descriptions occur on Roman coins of Athens[116] (fig. 588), on a red-figured oinochoë in the Berlin Museum[117] (fig. 587), and on a marble vase in Athens[118] (fig. 586). And from the attitudes of the figures on these representations copies in the round have been recognized. The best example of the Marsyas is the statue in the Lateran[119] (fig. 584), in fine preservation, except for the missing arms.[120] A bronze statuette in the British Museum[121] (fig. 592) appears to be a later version of this theme. The arms are preserved but do not correspond exactly to the attitude on the coin representations, for the right hand is brought to the head, a change which impairs the swing of the composition. A good Roman replica of the head is in the Barracco Museum[122] (fig. 585). More recently the Athena has been identified in a statue also preserved in several replicas, of which the best is in Frankfurt[123] (figs. 589–591). The

[113] *N.H.* XXXIV. 57.

[114] I. 24. 1.

[115] παίουσα, perhaps "on the point of striking"; or the text may be corrupt, e.g., ἐπιοῦσα, "advancing upon."

[116] Cf. Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. Z, Nos. XX, XXI.

[117] Hirschfeld, *Winckelmannsprogramm*, 1872; Furtwängler, *Beschreibung der Vasensammlung*, No. 2418.

[118] National Museum, No. 127; Heydemann, *Arch. Ztg.*, 1873, p. 96; Kekulé, *Arch. Ztg.*, 1875, pl. 8.

[119] Cf. Helbig, *Führer*,3 II, No. 1179.

[120] These used to be restored as playing the castanets; but have recently been removed (in 1925).

[121] Walters, *Select Bronzes*, pl. XVI.

[122] *Catalogue of the Barracco Museum*, pls. 37, 37a.

[123] Dragendorff, *Antike Denkmäler*, III (1909–1911), p. 8, pl. 9. A copy of the head is in Dresden.

attitude is that of the goddess on the coins, with the left leg placed sidewise and backward and the head turned to the left. This unusual pose and the fact that the style is that of the period make the identification probable.[124]

The Marsyas, like the Diskobolos, is a splendid composition, full of action and yet beautifully harmonious. Its rhythmical movement and sturdy modeling mark it as the conception of a great artist. The attitude of starting back (not falling) is again a novel one in Greek art though not so bold an innovation as that of the Diskobolos. In the Marsyas Myron's originality is further shown in the individualistic treatment of the lean body with its restless modeling (note, e.g., the accentuation of the muscles of the serratus magnus and the comparative absence of the "pattern scheme"), and above all in the expression of surprise in the wild face with its oblique ridges on the forehead and its shaggy hair and beard—in striking contrast to the quiet severity of the aristocratic Diskobolos. There have been various attempts to combine the Marsyas and the Athena in a composition to correspond to that on the coins. Sieveking's reconstruction is perhaps the most satisfactory (fig. 593). The Frankfurt Athena is a little smaller in scale than the Marsyas in the Lateran (cf. footnote 124), so that in using casts of the two monuments in a reconstruction one has to allow for this disadvantage. The Athena, as she appears at least in the Roman copies we have, is rather tame compared to the Marsyas. But if she is not so grand in conception, she has the quiet dignity befitting a goddess; and the sidewise turn of her body lends variety to the traditional pose.

Ladas Among the other works of Myron mentioned by ancient writers our interest is aroused particularly by the statue of Ladas, a victorious runner at Olympia. A vivid description of it appears in the *Anthology*:[125] "As once thou wast, instinct with life, when thou didst fly from Thymos swift as the wind, on tiptoe, with every muscle at full strain—even so did Myron fashion thee in bronze, and stamp on thy whole frame eager yearning for the crown that Pisa gives." "He is full of hope, and on his lips is seen the breath that comes from the hollow flanks; anon the bronze will leap to seize the crown, and the base will hold it no longer; see how art is swifter than the wind." Here again Myron attempted a momentary pose, full of action and life; and we must regret exceedingly the apparently total loss of this work, comparable doubtless in boldness and vigor to the Diskobolos and the Marsyas.

---

[124] The only disturbing evidence is that the extant replicas of the Athena are all uniform in size (also the one in the Giardino Boboli in Florence recently identified by Arndt in *Antike Plastik, Walther Amelung zum 60ten Geburtstag*, pp. 11–12, fig. 9) and the scale is distinctly smaller than in the Marsyas.

[125] *Anth. Plan.* IV. 54.

Other Works

The other works we hear of as by Myron—deities, heroes, and athletes—are unfortunately mere names to us now: a Hekate at Aigina;[126] a colossal group of Zeus, Athena, and Herakles in Samos;[127] two figures of Apollo, one at Ephesos,[128] another at Agrigentum;[129] a Dionysos at Orchomenos;[130] a statue of Herakles at Heius,[131] and one shown in the Circus Maximus in Rome;[132] a Perseus "after his exploit with Medusa" on the Akropolis at Athens;[133] an Erechtheus;[134] and a number of statues of victorious athletes.[135] But the work of Myron which made the greatest appeal in antiquity was his bronze cow which stood on the Akropolis at Athens[130] and of whose lifelike quality we have many testimonies.[137] Men and animals alike mistook her for real, the calves went up to her to be suckled, the lions to devour her. She appeared to have breath inside her (ἔμπνοος) and seemed about to bellow (μηκήσεται). We may be sure that her beauty was not due so much to the realism as to that quality of design and vigor of conception which give life and distinction to Myron's work.

Animals

Besides the cow we hear of four bulls[138] and a dog[139] by Myron, so that he must have been greatly interested in animal sculpture. Moreover, several chased silver vases are ascribed to Myron,[140] showing the versatility of the man.[141]

---

[126] Pausanias II. 30. 2.

[127] Strabo XIV. 637b.

[128] Pliny, *N.H.* XXXIV. 58.

[129] Cicero, *In Verrem* IV. 43. 93.

[130] Pausanias IX. 30. 1; *Anth. Gr.* IV. 173. 270 (*Plan.* IV. 257).

[131] Cicero, *op. cit.,* IV. 3. 5.

[132] Pliny, *N.H.* XXXIV. 57.

[133] Pausanias I. 23. 7.

[134] Pausanias IX. 30. 1. Perhaps part of the group of Erechtheus and Eumolpos fighting each other mentioned by Pausanias I. 27. 4, as on the Akropolis.

[135] Pausanias VI. 2. 2, 8. 4, 8. 5, 13. 2.

[136] It was later removed to the Forum Pacis at Rome.

[137] Cf. Overbeck, *Schriftquellen,* 550–591. It is thought by some to be reproduced on the denarius of Augustus (Gabrici, *Studi e materiali di arch. e numismatica,* II, 1902, p. 168, fig. 20).

[138] Prop. II. 31. 7.

[139] Pliny, *N.H.* XXXIV. 57: "canem"; Benndorf emends Ladam.

[140] Martial IV. 39. 1; VI. 92; VIII. 51; Stat., *Silv.* I. 3. 50; Phaedr., *Fab.* V, prologue.

[141] Unless this Myron was a later artist like the *caelator Kalamis* (see p. 203, note 76); but the writers do not make any distinction in this case. It is in line with ancient—as well as Renaissance—tradition for an artist to have several fields for his

Style Some critical estimates of Myron's art by ancient writers are of interest. Pliny[142] sums up his chief characteristics: "He is thought to have been the first to extend lifelike representation in art. He was more versatile than Polykleitos, and more studious of symmetry.[143] Yet he too expended his care on the bodily frame, and did not represent the emotions of the mind. His treatment too of the hair of the head and body showed no advance on the rude attempts of early art." Petronius refers to Myron as the one "who could almost catch the souls of men and beasts and enchain them in bronze."[144] He is regularly mentioned with Polykleitos, Lysippos, Praxiteles, and Pheidias as among the most eminent sculptors of Greece.[145] His works are considered by Cicero[146] as not yet realistic but nevertheless beautiful, by Quintilian[147] as suppler and more advanced than those of Kalamis. He is said to have used the Delian composition of bronze as against the Aiginetan one employed by Polykleitos.[148]

In other words, ancient writers agree very much with our own estimate of Myron as a great innovator, who created lifelike yet rhythmical renderings, slightly touched with archaisms, and whose chief interest was the human body in a variety of beautiful postures. He is the great representative of the period of experimentation, and helped to determine the character of this important epoch.

Attributions Based on this definite knowledge of the works and character of Myron there have been many attributions of extant statues as copies of his works. Furtwängler lists nineteen such in his *Masterpieces*.[149] The most important are the beautiful heads of Perseus[150] in the Palazzo dei Conservatori in Rome[151] and in the British Mu-

---

activities. The Myron who made the drunken old woman (Pliny, *N.H.* XXXVI. 32) is described as "qui in aere laudatur" (= the celebrated bronze caster) and is perhaps of later date.

[142] Pliny, *N.H.* XXXIV. 58: "Primus hic multiplicasse veritatem videtur, numerosior in arte quam Polyclitus (et) in symmetria diligentior, et ipse tamen corporum tenus curiosus animi sensus non expressisse, capillum quoque et pubem non emendatius fecisse quam rudis antiquitas instituisset."

[143] Several emendations have been suggested to prevent Pliny from saying that Myron was more interested in symmetry than Polykleitos, the great student of proportion. But that Myron's work was also beautifully rhythmical we learn from his Diskobolos and his Marsyas.

[144] *Satyr.* 88.

[145] Cicero, *De oratore* III. 7. 26; Auctor ad Herenn. IV. 6; Lucian, *Somn.* 8; etc.

[146] *Brut.* 18. 70.

[147] *Inst. orat.* XII. 10. 7.

[148] Pliny, *N.H.* XXXIV. 9. Chemical analyses have shown that there is a great variety in the alloys of ancient bronzes, so that it is quite possible that different compositions were favored by individual artists.

[149] Pages 165 ff.

[150] Furtwängler, *Masterpieces*, pp. 197 ff.

[151] Formerly in the Antiquarium Comunale; Furtwängler, *op. cit.*, p. 198, fig. 83.

seum,[152] copies of a distinguished work of this period;[153] the Cassel Apollo;[154] and the resting Herakles, of which the finest reproduction is in the Boston Museum[155] (fig. 39). But we have no conclusive evidence to make any of these theories realities, and so we will not dim our clear picture of Myron with them.

---

[152] Smith, *Catalogue,* III, No. 1743.

[153] A Perseus is also attributed to Pythagoras.

[154] Furtwängler, *Masterpieces,* pp. 190 ff.

[155] Cf. Caskey, *Catalogue,* No. 64; cf. also Lippold, *Antike Plastik, Walther Amelung zum 60ten Geburtstag,* pp. 127 ff.; and a recent acquisition of the Ashmolean Museum.

CHAPTER III

SECOND HALF OF FIFTH CENTURY B.C.

(*a*) *Pheidias*

Origin

Date and Life

WE know the origin of Pheidias from his own signature on the statue of Zeus at Olympia: "Pheidias, the son of Charmides, the Athenian, made me."[1] He is said to have been the pupil of Hegias[2] and Ageladas.[3] Pliny gives as his chief date the 83d Olympiad, that is 448–444 B.C.,[4] a natural period to select, since during it was begun the work on the Parthenon. He made a gold and ivory statue of Athena at Pellene in Achaia[5] before his statue of Athena Parthenos on the Akropolis of Athens, and he was commissioned with several works to celebrate the victory over the Persians,[6] showing that in the seventies and sixties of the fifth century he was already a recognized artist. His great opportunity came soon after the middle of the fifth century when Perikles, in 449, assumed power in Athens and gave him control over his artistic undertakings.[7] The next fifteen years were a time of ceaseless activity on the little hill of the Akropolis. On the southern slope arose the Odeion founded by Perikles; the Parthenon was begun in 447–446 and in 438 the colossal temple statue of Athena by Pheidias was dedicated; by 432 the pediment sculptures were in place and the whole temple complete;[8] Mnesikles built the Propylaia in five years (437–432). Plutarch gives us a graphic description:[9] "As the buildings rose stately in size and unsurpassed in form and grace, the workmen vied with each other that the quality of their work might be enhanced by its artistic beauty. Most wonderful of all was the rapidity of construction. Each one of them, men thought, would require many successive generations to complete it, but all of them were fully completed in the heyday of a single administration." After the work on the Parthenon our evidence becomes confused. Pheidias' success was too phenomenal not to bring on him the envy of the less fortunate. In the frank words of Plutarch:[10] "And being a friend of Perikles with considerable influence over him he became an object of jealousy and acquired many enemies." But just what happened we do not know definitely, for there are contradictory accounts. Either he was put in prison shortly after 438 and died in Athens, or he went to Olympia in 438 or in 432 to execute his statue of Zeus, and either died there some ten or fifteen years later or ultimately returned to Athens to stand his trial. We will discuss this important question of chronology later (see pp. 220 ff.).

---

[1] Pausanias V. 10. 2.

[2] Dion Chrysost., *Orat.* 55. 1. 282 (as emended).

[3] Schol. Aristoph., *Frogs* 504; Tzetzes, *Chil.* VII. 929.

[4] *N.H.* XXXIV. 49. Floruit autem (Pheidias) olympiade LXXXIII, circiter CCC nostrae urbis anno.

[5] Pausanias VII. 27. 2.

[6] A bronze Athena at Athens (Pausanias I. 28. 2), a group at Delphi (Pausanias X. 10. 1), and an Athena at Plataia (Pausanias IX. 4. 1).

[7] Plutarch, *Perikles* XIII. 4: "His [Perikles'] general manager and general overseer was Pheidias, although the several works had great architects and artists besides." And XIII. 9: "Everything almost was under his [Pheidias'] charge, and all the artists and artisans, as I have said, were under his superintendence, owing to his friendship with Perikles."

[8] Cf. p. 230.

[9] *Op. cit.*, XIII. 1.

WORKS

We have little by which to form a conception of Pheidias' great creations. Ancient writers give long descriptions of some of them in terms of the highest praise, and it has been possible thereby to identify small-scale representations of Roman date as copies of three of his chief works—the Athena Promachos, the Athena Parthenos, and the Olympian Zeus. Though they cannot make us visualize the precious gold and ivory or bronze originals several times life-size, we must try to obtain from them what help we can.

Athena Promachos or the Bronze Athena

The Bronze Athena, nowadays generally referred to as the Athena Promachos,[11] is said by Pausanias[12] to have been an offering "from the spoils of the Persians who landed at Marathon" (but the statue was probably not erected until Kimon's administration, which began in 470). She was of bronze and rose to a great height. The point of her spear and the crest of her helmet are said to have been visible even to mariners approaching from Sounion. The general attitude and imposing nature of this statue can be gathered from representations of it on Athenian coins[13] of the Roman Imperial period, where it appears both as a single figure (fig. 594) and as

[10] *Perikles* XXXI. 2.

[11] In ancient literature she is generally called "the Bronze Athena." The epithet of Athena Promachos is directly applied to her by the Scholiast on Dem., *Androt.* 597 R, and in *I.G.*, III. 1. 638 (*c.* A.D. 410). It has made its way into modern archaeological literature, though it is not particularly appropriate to the quiet attitude of the statue.

[12] I. 28. 2.

[13] Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. Z, Nos. I–VII.

standing on the Akropolis between the Erechtheion and the Propylaia[14] (fig. 596). The archaic character of the former endorses Pausanias' claim for her early date. In later times she seems to have been removed to the Forum of Constantine,[15] where she was finally destroyed; at least if she is to be identified with the statue described by Niketas[16] as follows: "In stature it rose to the height of about thirty feet, and was clothed in garments of the same material as the whole statue, namely of bronze. The robe reached to the feet, and was gathered up in several places. A warrior's baldric passed round her waist and clasped it tightly. Over her prominent breasts she wore a cunningly wrought garment, like an aegis, suspended from her shoulders, and representing the Gorgon's head. Her neck, which was undraped and of great length, was a sight to cause unrestrained delight. Her veins stood out prominently, and her whole frame was supple and, where the need was, well-jointed. Upon her head a crest of horsehair 'nodded fearfully from above.' Her hair was twisted in a plait and fastened at the back, while that which streamed from her forehead was a feast for the eyes: for it was not altogether concealed by the helmet, which allowed a glimpse of her tresses to be seen. Her left hand held up the folds of her dress, while the right was extended toward the south and supported her head, slightly inclined in the same direction, with the gaze of both eyes fixed on that quarter." The description tallies fairly well with the coin representations except for the action of the arms, which may have been later restorations.

Athena Parthenos

The chryselephantine statues of the Athena Parthenos and the Olympian Zeus are cited as Pheidias' outstanding works.[17] Their precious material[18] and great size naturally made them conspicuous attainments, but apart from their intrinsic value they were great artistic achievements, for Pheidias' genius appears to have embodied in them a nobility and grandeur which left an abiding impression on the beholder. Pausanias[19] gives a detailed description of the Athena Parthenos: "On the middle of the helmet rests the figure of a sphinx and on either side of the helmet griffins are represented. The statue of Athena stands erect and wears a tunic reaching to the feet. On its breast is represented in ivory the head of Medusa, and a Victory about four cubits in height stands on one of its hands, while in the other it holds a spear; at its feet rests a shield, and close to the shield is a serpent which no doubt represents Erichthonios; on the base of the statue the birth of Pandora is wrought in relief." Pliny[20] supplies the further information that "on the shield was wrought in relief the battle of the Amazons on the convex surface, and the combats of gods and giants on the concave side, while on the sandals was represented those of the Lapiths and Centaurs."[21] And from Plutarch[22] we learn that in the battle of Amazons on the shield "Pheidias introduced a figure of himself as a bald old man lifting up a stone in both hands, and a very fine portrait of Perikles fighting with an Amazon," his arm across his face.[23] From these descriptions several statuettes, heads, and reliefs—all of Roman date—have been identified as copied from Pheidias' work.[24] By their combined evidence we can reconstruct the entire figure. The so-called Varvakeion[25] Athena (figs. 599, 600) shows the sphinx and griffins on the head, the aegis, the shield with the serpent, and the Nike. The headless and armless statuette in Patras[26] (fig. 603) resembles the Varvakeion statuette but is of rather better execution. The Lenormant Athena[27] (fig. 601) gives the reliefs on the outside of the shield and on the base. On the Strangford shield[28] (fig. 605) the relief decoration is seen in greater detail, and we note a discrepancy in that Pheidias swings an axe instead of holding a stone. The Princeton statuette[29] (fig. 604), the polychrome head in Berlin[30] (fig. 602), the Aspasios gem[31] (fig. 597), the Koul Oba medallion,[32] and the head on the coins[33] (fig. 598) show us details of the helmet and the aegis. The whole figure on the late Athenian coins[34] (fig. 595)—minute though it is—supplies two important additional points of evidence; it has the spear in the left hand and has no supporting pillar for the hand with the Victory, showing that its addition in the Varvakeion statuette may be a later feature.[35]

---

[14] The site has been tentatively identified as one of two large leveled surfaces about thirty yards east of the Propylaia; cf. D'Ooge, *The Acropolis of Athens,* p. 299. Possibly a piece of the pedestal is preserved in a capping-course with colossal bead-and-reel and egg-and-dart mouldings (Dinsmoor, *A.J.A.,* 1921, p. 128, fig. 1).

[15] On the other hand Arethas, the archbishop of Caesarea in the tenth century A.D., refers to the Athena in the Forum of Constantine as of gold and ivory (Schol. Aristid. *Orat.* 50). This may, of course, have been another Athena.

[16] *Chron. Isaac. Ang. et Alex. F.,* p. 738 B. See note by Stuart Jones, *Selected Passages,* 101, and E. A. Gardner, *Handbook of Greek Sculpture,* p. 281, note 2.

[17] Cf., e.g., Quint., *Inst. orat.* XII. 10. 9.

[18] The Athena Parthenos alone is supposed to have borne forty talents' weight of refined gold (Thuc. II. 13).

---

[19] I. 24. 5.

[20] *N.H.* XXXVI. 18.

[21] Aristotle, *De Mundo.* 6. 399b tells a story to the effect that the shield contained a hidden mechanism by which if the head were removed the whole statue would fall to pieces.

[22] *Perikles* XXXI. 4.

[23] This feature brought on Pheidias the charge of sacrilege, cf. p. 223.

[24] Cf. the lists given by Schreiber, *Die Athena Parthenos;* Puchstein, *Jahrbuch,* V, 1890, p. 83, note 16; D. M. Robinson, *A.J.A.,* 1911, pp. 499 ff.

[25] National Museum, Athens, No. 129.

[26] *A.B.S.,* III, pl. 9.

[27] National Museum, Athens, No. 128.

[28] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, No. 302.

[29] Shear, *A.J.A.,* 1924, pp. 117 f., pls. II–IV.

[30] Berlin Museen, *Beschreibung der antiken Skulpturen,* No. 76 A.

Our imagination has to work hard to reconstruct from these faint reflections the vision of the great temple statue about forty feet high (with its base), which the worshiper beheld when he entered the cella of the Parthenon. But from a few of them—notably the Lenormant statuette, the Berlin head, and the Aspasios gem—we may catch a faint glimmer of the majesty, the *amplitudo*,[36] which made it one of the most famous statues of the world. And the great impression it made in the artistic world may be gauged by the many adaptations, contemporary and later, especially by the fine statue from distant Pergamon[37] produced in the Hellenistic period when an entirely different taste prevailed.

The statue had a long subsequent history.[38] We hear of repairs made at different times (the first was ten years after its dedication), and a number of thefts of the precious material are recorded (e.g., in the fourth century Philourgos removed the gorgoneion from the aegis and in 296 B.C. Lachares absconded with the gold parts of the statue). In A.D. 375 it still stood inside the cella.[39] According to one report it was removed from there toward the end of the fifth century A.D.[40] There is some evidence that it perished in a fire between A.D. 429 and 485,[41] and still another account mentions it at Constantinople[42] in the tenth century. But its ultimate fate is not definitely known.

---

[31] Furtwängler, *Antike Gemmen,* pl. XLIX, 12; now removed from Vienna to the Museo Nazionale delle Terme in Rome.

[32] Kieseritzky, *Ath. Mitt.,* 1883, VIII, pp. 291 ff., pl. XV.

[33] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. Y, No. XXIII.

[34] *Ibid.,* Nos. XVIII ff.

[35] Smith, *Catalogue of Greek Sculpture in the British Museum,* I, p. 97.

[36] Pliny, *N.H.* XXXVI. 18.

[37] *Altertümer von Pergamon,* VII, pl. VIII.

[38] Cf. Koehler, *Ath. Mitt.,* V, 1880, p. 89; Schreiber, *Athena Parthenos,* p. 628.

[39] Zosimus, *Hist. nova* IV. 18.

[40] Marinus, *Life of Proclus* 30.

[41] Führer, *Röm. Mitt.,* 1892, pp. 158 ff.

[42] Schol. Aristid. *Orat.* 50. On the words "the ivory Athena": "It seems she is set up in the Forum of Constantine and in the Bouleuterion, or Senate as they call it" (by Arethas, archbishop of Caesarea).

Olympian Zeus

The greatest fruit of Pheidias' genius appears to have been the Olympian Zeus. He was even more celebrated than the Athena Parthenos. Pliny[43] says: "No one doubts that Pheidias' renown extends through all lands where the fame of his Olympian Zeus is heard"; and elsewhere refers to it as the "unrivaled statue."[44] Dion Chrysostomos[45] calls it the embodiment of peace, "the guardian of Hellas when she is of one mind and not distraught with faction," and concludes,[46] "When you stand before this statue, you forget every misfortune of our earthly life, even though you have been broken by adversities and grief and sleep shuns your eyes—so great is the splendor and beauty of the artist's creation." Quintilian[47] tells us that "its beauty can be said to have added something to traditional religion, so adequate to the divine nature is the majesty of his work" (cuius pulchritudo adiecisse aliquid receptae religioni videtur; adeo maiestas operis deum aequauit). Pheidias himself when asked after what pattern he was going to fashion his Zeus is said to have[48] quoted Homer's lines: "So spake the son of Kronos and nodded his dark brow, and the ambrosial locks waved from the king's undying head; and he made Olympos quake." And this vision that he had of the god of gods he succeeded in embodying in his Zeus, transcending all previous conceptions and creating thereby a great work of religious sculpture.

What have we by which to visualize this statue? Unfortunately little. Pausanias[49] gives a long and dry description of it and all its accessories: "The god is seated on his throne and is made of gold and ivory; on his head rests a garland which imitates sprays of olive. In his right hand he bears a Victory, also of ivory and gold, which holds a fillet and has a garland on its head; and in his left is a sceptre inlaid with every kind of metal; the bird which is perched on the sceptre is the eagle. The sandals of the god and likewise his robe are of gold. On the robe are wrought figures and flowers; these latter are lilies. The throne is diversified with gold and precious stones and ebony and ivory and there are figures upon it painted and sculptured." And then follows a detailed account of these decorations, which covered the legs, the stretchers, the footstool, the base, and the screens, the latter painted by Panainos, Pheidias' nephew.[50] The size of the statue was about seven times life-size, occupying the full height of the temple.[51]

---

[43] *N.H.* XXXVI. 18.

[44] *N.H.* XXXIV. 54.

[45] *Orat.* XII. 14 (period of Domitian).

[46] *Ibid.*, 51.

[47] *Inst. orat.* XII. 10. 9.

[48] Strabo VIII. 353.

[49] V. 11. 1 ff.

We must imagine this colossal figure, then, grandly conceived and carved in simple lines; gleaming with its gold and ivory, but the brightness tempered by the figures wrought in the drapery; the sceptre sparkling with precious stones; and the throne elaborately decorated—a combination of grandeur and richness. How different would be our understanding today of Greek sculpture if one of these masterpieces had survived! Instead, all that has come down to us is the little reliefs on the reverse of some of Hadrian's coins[52] showing the head (fig. 606) and the enthroned figure (fig. 607). Diminutive, late, and inadequate though they be, even they are imbued with something of the benign majesty of the original and give us a faint impression of the harmony of the composition. There is no better way to realize the astounding development of Pheidias' genius than to place side by side the coin types of the archaic Athena Promachos (fig. 594), the severe Athena Parthenos (fig. 595), and the noble Olympian Zeus (fig. 607). There can be no doubt that Pheidias was one of the chief leaders in bringing Greek sculpture to its consummation in the fifth century.

Though we have no direct copies of Pheidias' Zeus except on the coins, many later works of art reflect its influence. The marble head in Boston[53] (fig. 609), a painting from Eleusis (fig. 612),[54] and a gem in Berlin (fig. 613)[55] evidently reproduce the general style, modified to suit a later age. It is natural that the creation of a type so universally acclaimed as fitting should exercise a strong and long-felt influence.

The temple of Zeus was burnt down in the time of Theodosius II in the fifth century A.D. and Pheidias' statue may have perished at that time.[56] But according to the Byzantine historian Cedrenus[57] it was later at Constantinople in the Palace of Lausos; and this palace was destroyed by fire in A.D. 475.[58]

---

[50] A. Reinach, *Recueil Milliet*, Nos. 162 ff. Pliny and Pausanias call him a brother of Pheidias, but the usually well-informed Strabo a nephew.

[51] Strabo VIII. 353.

[52] Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. P, Nos. XX–XXIII.

[53] Caskey, *Catalogue*, No. 25.

[54] 'Εφ. 'Αρχ., 1888, pl. 5, p. 77.

[55] Wiegand, *Amtliche Berichte aus den kgl. Kunstsammlungen*, XXXIV, 1913, pp. 169 f., fig. 87.

[56] Schol. Lucian, *Rhetor. praecept.* 10, vol. 4, p. 221, ed. Jacobitz.

[57] *Comp. histor.* 322 B.

[58] Cedren., 348 A.

If the coins reproduce at all accurately the style of the Olympian Zeus—and as they are of Roman date that may be assumed—they point to a date for it in the second half of the fifth century. The deep-set eyes and the completely easy pose find no parallel before 450; and the little Nike (if indeed it reproduces the original creation and not a later substitution) is markedly naturalistic; considerably more so than that held by the Athena Parthenos. The slight archaism in the rendering of the hair is not uncommon in heads during the second half of the fifth century.[59] But if the Zeus on stylistic grounds suggests a date after rather than before 450, Pheidias must have gone to Elis after his work on the Parthenos in Athens (448–438), not before it.[60] Since this question of chronology is still disputed let us briefly examine the evidence.

The external evidence in favor of dating the Zeus after the Athena Parthenos is as follows:

(1) Pausanias[61] in his description of the figures on the throne of Zeus gives this information: "They say that the boy who is binding his hair with a fillet is like Pantarkes in countenance, and that Pantarkes was a youth of Elis who was beloved by Pheidias. Pantarkes won the victory in the boys' wrestling-match in the 86th Olympiad [436 B.C.]." Pheidias is said by Clement of Alexandria to have carved the name of Pantarkes on the finger of his Zeus.[62] Before 450 Pantarkes would have been a mere baby.

(2) Pausanias[63] tells us that the Eleans held in great honor the descendants of Pheidias for many generations. This suggests that Pheidias settled in Elis with his family after he was banished from his native city, rather than that he made the Zeus early in his career and died in Athens after completing the Athena Parthenos.

(3) Aristophanes in his *Peace*, 605 ff., charges Perikles with having started the Peloponnesian war (which began in 432–431) to create a diversion after the "Pheidian incident":

Pheidias began the mischief, having come to grief and shame,
Perikles was next in order, fearing he might share the blame,
Dreading much your hasty temper, and your savage bulldog ways,

---

[59] Cf., e.g., the examples cited by Pfuhl, *Jahrbuch*, 1927, p. 133.

[60] Lippold, *Jahrbuch*, 1923, pp. 152 f., suggests that Pheidias worked on the Zeus and the Athena Parthenos simultaneously, going to and fro between Athens and Olympia. But this savors too much of modern conditions.

[61] V. 11. 3.

[62] *Protrept.* IV. 53, p. 47, ed. Potter.

[63] V. 14. 5.

So before misfortune reached him, he contrived a flame to raise,
By his Megara-enactment setting all the world ablaze.

There is a long comment to this passage by a scholiast who quotes from Philochoros, a historian living in the fourth and third centuries B.C. It is so important that we must quote it at length: "Philochoros writing of the archonship of Pythodoros, 432 B.C. [corrupt for Theodoros? (438 B.C.)] says: 'The golden image of Athena was placed in the great temple. The artist, Pheidias, was thought to have been guilty of peculation in respect of the ivory used for the serpents' scales, and was put on trial. He fled to Elis, where he is said to have accepted the contract for the image of Zeus at Olympia, and, after completing it, to have been put to death by the Eleans [corrupt for Athenians?] in the archonship of Skythodoros' [corrupt for Pythodoros? (432 B.C.)]. . . . And some say that when Pheidias the sculptor was found guilty of swindling the city and banished, Perikles, alarmed because he had been associated with the making of the statue and had connived at the theft, passed the decree against the Megarians and declared war on them in order to avoid giving his accounts to the Athenians, who would be preoccupied with the war; and so he accused the Megarians of ploughing up a piece of land sacred to the two goddesses. But the suspicion regarding Perikles seems unreasonable, as the incident about Pheidias happened seven years before the beginning of the war. When Pheidias, as Philochoros says, in the archonship of Pythodoros [corrupt for Theodoros?] made the statue of Athena, he stole the gold from the serpents of the chryselephantine Athena, was detected in it, and punished by exile. And while he was in Elis he made the statue of the Olympian Zeus for the Eleans; and he was condemned by them and perished in exile." Though the names of the archons are corrupt and we cannot be sure whether Pheidias left Athens in 438 or 432, and just when he died, this does not affect the definite statement that the Zeus was made after the Athena Parthenos.

(4) A papyrus in Geneva[64] has been held to confirm this chronology in that it is supposed to show that Pheidias got into trouble in Athens after his work on the Athena Parthenos and that he then turned to Elis; but the fragmentary condition of the document makes the evidence inconclusive.

---

[64] Nicole, *Le Procès de Phidias dans les chroniques d'Apollodore.* Some of his more definite conclusions are corrected by Frickenhaus, *Jahrbuch,* 1913, pp. 346 ff.

(5) It would seem more natural that after the Athena Parthenos had established Pheidias' fame as a sculptor of chryselephantine statues he was summoned to Elis to execute a similar work for the most important sanctuary of Greece; rather than that such a summons should have come before his reputation was at its height.

(6) We hear of two further works which he made in Elis—an Anadoumenos in Olympia[65] and a chryselephantine statue of Aphrodite Ourania.[66] The former has been tentatively connected with the Farnese boy in the British Museum,[67] a work stylistically connected with the Parthenon sculptures, certainly not pre-Parthenon in type. Probably Pheidias made these statues at the time of or shortly after his Zeus; so that if our chronology is correct they would represent his last works.

(7) The introduction of black Eleusinian stone on the floor in front of the statue of Zeus[68] appears to be copied from the experiments on the Propylaia and the Erechtheion, both post-Parthenon buildings.[69]

For the early dating of the Zeus there are two chief sources of evidence:

(1) Plutarch's[70] account of the indictment of Pheidias:

"Pheidias the sculptor was contractor for the great statue, as I have said, and being admitted to the friendship of Perikles, and acquiring the greatest influence with him, made some enemies through the jealousy which he excited; others also made use of him to test the people and see what sort of a judge it would be in a case where Perikles was involved. These latter persuaded one Menon, an assistant of Pheidias, to take a suppliant's seat in the market-place and demand immunity from punishment in case he should bring information and accusation against Pheidias. The people accepted the man's proposal, and formal prosecution of Pheidias was made in the assembly. Embezzlement, indeed, was not proven, for the gold of the statue from the very start had been so wrought upon and cast about it by Pheidias, at the wise suggestion of Perikles, that it could all be taken off and weighed, and this is what Perikles actually ordered the accusers of Pheidias to do at this time. But the reputation of his works nevertheless brought a burden of jealous hatred upon Pheidias, and especially the fact that when he wrought the battle of

[65] Pausanias VI. 4. 5.

[66] Pausanias VI. 25. 1.

[67] See p. 228.

[68] Pausanias V. 11. 5.

[69] Dörpfeld, *Olympia, Ergebnisse*, II, p. 20.

[70] *Perikles* XXXI. 2.

the Amazons on the shield of the goddess, he carved out a figure that suggested himself as a bald old man lifting on high a stone with both hands, and also inserted a very fine likeness of Perikles fighting with an Amazon. And the attitude of the hand, which holds out a spear in front of the face of Perikles, is cunningly contrived as it were with a desire to conceal the resemblance, which is, however, plain to be seen from either side. Pheidias, accordingly, was led away to prison, and died there of sickness; but some say of poison which the enemies of Perikles provided, that they might bring calumny upon him. And to Menon the informer, on motion of Glykon, the people gave immunity from taxation, and enjoined upon the generals to make provision for the man's safety." This account certainly suggests that Pheidias was indicted soon after the completion of the Athena Parthenos, that he was convicted on the flimsiest of charges (the serious one of embezzlement was evidently not proved), and that he was thereupon put in prison and died in Athens; in this case there would not have been any opportunity for going to Olympia to execute a statue there. But Plutarch is a late writer and may easily have mixed up his sources.[71] Moreover even he nowhere says that the Zeus was made before the Athena Parthenos, and such a view is a mere inference; while our other informants make definite statements to the contrary.

(2) Pausanias'[72] account regarding the temple at Olympia: "The temple and image of Zeus were made from the booty at the time when the Eleans conquered Pisa and the vassal states which revolted with her [472 B.C.]. That the image was made by Pheidias is attested by the inscription under the feet of Zeus." The temple was probably completed in 456.[73] Since the temple image is one of the most important features of a sanctuary, one would suppose that the statue of Zeus was also finished by about that time. This at least was the general practice; the Athena Parthenos was dedicated even before the pediments of the temple were begun. In that case, however, we should expect the statue of Zeus to show about the same stylistic development as the other sculptural decorations of the temple—the pediments and the metopes. But we have seen that the scanty remains we have—the small-scale representations of the head and of the whole figure on Roman coins of Elis—suggest a consider-

---

[71] Cf. especially Schöll, *Der Prozess des Phidias, Sitzungsberichte der phil.-phil.-u.-hist. Classe der Akademie der Wissenschaften zu München,* 1888, I, pp. 1–53.

[72] V. 10. 2.

[73] Cf. Purgold, *Arch. Ztg.,* 1882, p. 184.

ably later date;[74] for they show no trace of the archaisms conspicuous in the Olympia pediment figures. Moreover, the extravagant praise of the Pheidian Zeus in Roman times[75]—when archaic art was less appreciated—also points to a fully developed type.

For the long interval between the completion of the temple and Pheidias' statue we may be permitted to hazard an explanation. Can we not suppose that originally a marble cult statue was made for the temple and stood duly in its place when the building was completed in 456? The existence of such an earlier image is indeed suggested by recent investigations of the floor of the temple which have indicated the presence of a substructure with ex votos beneath the Pheidian construction.[76] Possibly the enthroned Zeus (fig. 611) on coins of Elis of *c.* 471–431 B.C.[77] and the noble and severe head on the coins dated *c.* 420[78] but clearly reproducing an earlier type[79] (fig. 610) were inspired by it. The expense of this statue—as well as of the temple—was defrayed from the spoils taken by the Eleans when they reduced Pisa and the other dependent cities which had revolted, just as Pausanias tells us.[80] Then thirty years later the same great earthquake which caused the mutilation of the reclining figures from the angles of the western pediment and necessitated the substitution of the present figures in Pentelic marble of developed fifth-century style[81] (cf. figs. 608, 200), the same catastrophe that caused injuries to a large part of the temple,[82] also damaged this statue of Zeus. By this time the praise of the great gold and ivory statue of the Athena Parthenos was resounding throughout Greece; and Olympia determined to have a similar resplendent figure by the same master sculptor. The necessary funds must have been contributed by the whole of Greece, for never could the spoils from a few neighboring cities be sufficient for a gold and ivory statue about seven times life-size. And after the statue by Pheidias was finished its splendor and its fame caused the earlier temple image to be forgotten. It is only a theory but it would seem a plausible one.

[74] Cf. pp. 219 f.

[75] Cf. p. 218; and the references quoted by Frazer in his *Commentary on Pausanias,* III, pp. 530 f. It was listed as one of the seven wonders of the world.

[76] Cf. Lehmann-Hartleben, *Jahrbuch,* 1923–1924, pp. 37 ff.

[77] *British Museum Catalogue of Coins, Peloponnesos,* pl. X, 11.

[78] Head, *Historia numorum,* p. 422, fig. 230.

[79] Furtwängler, *Masterpieces,* pp. 217–218.

[80] Pausanias V. 10. 2.

[81] Though these figures have been variously dated I agree with the fifth-century assignment by Schrader, *Phidias,* pp. 106 ff., and *Jahreshefte des Österr. Arch. Inst.,* XXV, 1929, pp. 82 ff., certainly for fig. 608 and probably for fig. 200.

[82] Cf. Dörpfeld, *Olympia, Ergebnisse,* II, p. 22.

Since therefore the two chief arguments in favor of the early dating of the Zeus are more easily disposed of than the varied evidence for the later one, the latter would seem to be the more likely. We must leave it an open question whether Pheidias left Athens in 438 or in 432, for here the accounts are too confused. If Pheidias was born in 495–490[83] he would be around sixty when he went to Olympia (and in his fifties when he depicted himself as bald-headed on the shield of the Athena Parthenos); and even if the date of his birth is assumed to be earlier, there is no difficulty in supposing that Pheidias as a man of sixty-five or seventy produced a great work of art. Titian worked until he was ninety-nine, Michelangelo until he was eighty-nine, and Giovanni Bellini until his eighty-fifth year.

Athena Lemnia

To the question: "Which of the works of Pheidias do you praise most highly?" Lucian[84] gives the answer: "Which but the Goddess of Lemnos whereon Pheidias deigned to inscribe his name," and then proceeds to borrow certain features for his Panthea or perfect statue: "Pheidias and the Lemnian Goddess shall bestow on her the outline of her countenance, her delicate cheeks, and finely proportioned nose." Lucian does not stand alone in his admiration. Pausanias[85] is likewise carried away: "The most remarkable of the works of Pheidias, an image of Athena, called the Lemnian, after the dedicators." The statue stood on the Akropolis. The dedicators were doubtless the Athenian colonists sent to Lemnos between 451 and 448. In addition to these definite references there are others which may perhaps be applied to this statue: (1) Pliny's[86] statement that "Pheidias made an Athena of bronze of such outstanding beauty that she was called the Beautiful"; (2) a passage of Himerios[87] to the effect that Pheidias did not always represent Athena armed, but sometimes substituted beauty for the helmet; and (3) an epigram in the *Anthology* in which the statue of Athena in Athens is preferred to the Knidian Aphrodite.[88] If Lucian's and Pausanias' statements reflect a universally admitted preference, it is certainly probable that these references to the beautiful Athena apply to the Lemnian; and if so, we obtain from them the additional information that the statue was of bronze and did not wear a helmet.

---

[83] Schrader, *Phidias*, p. 20, suggests 510–500 as the time of his birth; but Johansen, *Arch. Anz.*, 1923–1924, pp. 147 f., claims 490 B.C. as the likelier time, and that seems to me to fit the evidence better.

[84] Εἰκόνες 4.

[85] I. 28. 2.

[86] *N.H.* XXXIV. 54.

[87] *Orat.* 21. 4.

[88] *Anthol. Gr.* I. 193; cf. also IV. 168, 248.

What was this statue which could be called Pheidias' finest creation even by those who knew his two great chryselephantine figures? It must have been one which by some exquisite quality of its own made one forget its more ambitious rivals. Furtwängler's theory[89] that we possess marble copies of it in a helmetless statue in Dresden (fig. 615) and in a head in Bologna (fig. 614) meets the evidence exceptionally well. The style corresponds in date to the Lemnian dedication (the forties of the fifth century); the sharp contours of the features, the treatment of the hair, and the hollow eyes point to a bronze original; and above all they suggest that the original was of surpassing beauty. There are indeed few heads preserved to us from antiquity of such pure and noble loveliness as the head in Bologna (Roman copy though it is) and few figures so grand in conception as this statue when we can visualize its composition holding a helmet in one hand and a lance in the other (fig. 616[90]). Our admiration goes out to her just as did Lucian's and Pausanias' of old. Moreover the points picked out by Lucian, the well-proportioned nose and the outline of the countenance with its delicate cheeks, are particularly striking here. It is its lovely oval face which adds so greatly to its attraction and distinguishes it from other "Pheidian" heads, such as the Athena Parthenos (figs. 599 ff.) and the "Athena Medici."[91] If only it were certain that by his beautiful helmetless Athena Himerios had meant the Lemnian, or even that Pliny's "bronze" Athena is the Lemnian, the case would be strong indeed. But neither of them actually says so.[92] And so we cannot regard the theory as proved.

---

[89] *Masterpieces*, pp. 4 ff.

[90] From a restored cast in Budapest (Hekler, *Pheidias*, p. 21, figs. 9, 10); in that in Strassburg (Wolters-Springer, *Kunstgeschichte*, I,[12] fig. 498) the helmet is held too high and the composition of the arms is thus less harmonious. Similar compositions appear on gems (Furtwängler, *Masterpieces*, p. 14, note 4), and on a red-figured vase in Bologna (Pellegrini, *Catalogo dei vasi delle necropoli felsinee*, p. 191, fig. 115, No. 393 [cf. our fig. 617]).

[91] Amelung tentatively sponsored her for the Athena Lemnia (*Oest. Jahresh.*, XI, pp. 195 f.), though he admitted difficulties. Though she is an imposing creation, we hesitate to think that she would have been picked out as Pheidias' masterpiece (cf. the reconstruction in *op. cit.*, p. 189, fig. 71), and the contour of her face is rather heavy than otherwise. Recent attempts to assign the Dresden and Bologna Athena to Myron (Jenkins, *J.H.S.*, 1926, II, p. XX) and to Alkamenes (Walston, *Alcamenes*, pp. 168 ff.) do not carry conviction.

[92] Furtwängler in his enthusiasm for his theory does not state this clearly, and lays himself open to attack (cf. Amelung, *op. cit.*, XI, p. 194). Amelung (*loc. cit.*) even thinks that the Lemnian Athena was probably not of bronze, for Aristides (*Orat.* 50, T. III, p. 701) mentions three Athenas in Athens, "the chryselephantine, the bronze one, and, by Zeus, if you like, the Lemnian, all a paramount source of

The Amazon

Pliny[93] tells the following anecdote: "The most famous artists, though born at some distance of time from each other, still came into competition, since each had made a statue of an Amazon, to be dedicated in the temple of Artemis at Ephesos, when it was decided that the prize should be awarded to the one which the artists themselves who were on the spot declared to be the best. This proved to be the statue which each artist placed second to his own, namely that of Polykleitos; the statue of Pheidias was second, that of Kresilas third, Kydon's fourth, and Phradmon's fifth." Kydon is clearly a mistake due to a confusion with "Kresilas the Kydonian" (see p. 231). Whatever may be the truth of the details of this story, it suggests that four statues by the artists named stood in the temple at Ephesos perhaps as a single offering. And this is borne out by other evidence. Three distinct types occur in many replicas, indicating that they were derived from famous originals; and they are in the style of the required period, i.e., about 440, when Pheidias, Polykleitos, and Kresilas are all known to have been active; while a fourth type evidently not so popular and presumably by a lesser artist such as Phradmon also exists.[94] Furthermore a relief with an Amazon of one of the popular types has been found at Ephesos,[95] lending additional credence to the story. The question which type should be connected with what particular artist is naturally one of great interest and one that has absorbed archaeologists for some time. Furtwängler's[96] allocation of the Mattei type to Pheidias, the Berlin one to Polykleitos, and the Capitoline one to Kresilas has recently been challenged[97] and again endorsed.[98] Both on external and on stylistic evidence it still seems the most plausible.[99]

The identification of the Mattei type[100] (fig. 620) with that of Pheidias is rendered likely by its close correspondence to the repre-

---

merit to the sculptor and of enjoyment to the beholder," from which he infers that the Lemnian must have been of a third material. But the "Athena Promachos" was so universally referred to as the Bronze Athena that the emphasis need not be here on the material. The Argive origin of the Dresden-Bologna Athena (Amelung, *op. cit.*) seems too problematical to be taken as serious evidence.

[93] *N.H.* XXXIV. 53.

[94] Cf. Furtwängler, *Masterpieces*, p. 129, fig. 52.

[95] *Jahrbuch*, 1915, pl. 6.

[96] *Op. cit.*, pp. 128 ff.

[97] E.g., by Graef, *Jahrbuch*, XII, 1897, pp. 82 ff.; Noack, *Jahrbuch*, XXX, 1915, pp. 131 ff.; Bulle, *Der schöne Mensch*, 1922, p. 100; Anti, *Monumenti antichi*, XXVI, 1920, pp. 600 ff.; Pfuhl, *Jahrbuch*, 1926, pp. 23 f.; cf. also Johnson, *Lysippos*, p. 30, who reviews the chief arguments.

[98] Bieber, *Jahrbuch*, XXXIII, 1918, pp. 49 ff.

[99] See also pp. 234, 249.

[100] Amelung, *Die Skulpturen des vaticanischen Museums*, II, No. 265.

sentation of a (lost) gem[101] (fig. 619) showing an Amazon grasping a lance with both hands, the right high above the head, perhaps about to swing herself on to her horse,[102] and Lucian's testimony:[103] "Which of the works of Pheidias do you praise most highly? . . . The Amazon who is leaning on her spear." The missing parts of the Mattei statue (the head and both arms) can be reconstructed from the gem engraving.

Unfortunately none of the replicas of the Mattei type have the head preserved except the supporting figure from Loukou in Athens[104] (fig. 618)—a rather generalized rendering. The head corresponds in a general way to that on the gem, and clearly goes back to a fine original. Lucian[105] wants to borrow for his perfect statue "the setting of the mouth and the neck" from the Amazon of Pheidias, so that they were evidently of special excellence. The Turin replica[106] shows that the head was slightly turned to the left (of the figure), a detail which might easily be varied in a supporting figure and in a diminutive representation on a gem.

Fragmentary though our knowledge of this statue is, we can yet appreciate a certain elasticity and splendid vigor which distinguish her from her rival sisters and give her the appearance almost of a goddess. The treatment of the soft, crinkly chiton with its many variegated folds foreshadows that of the Parthenon pediments.

Anadoumenos

Pausanias[107] saw a statue in Olympia of a "boy binding a fillet on his head" "by the great sculptor Pheidias." We have no other mention or description of it; but on stylistic grounds the Farnese Diadoumenos in the British Museum[108] (fig. 621) has been thought to be a copy of this work. It shows indeed a marked resemblance to the youths on the Parthenon frieze in the structure of the body and in a certain sublimity of conception; so that the identification is certainly possible. But we must remember that a youth binding on a fillet as a badge of victory was a popular subject, and that

---

[101] Natter, *A Treatise on the Ancient Method of Engraving on Precious Stones*, London, 1754, pl. XXXI, opp. p. 48.

[102] Furtwängler, *Masterpieces*, p. 137; this explanation has been doubted (cf. Amelung, *Die Skulpturen des vaticanischen Museums*, II, No. 265), but the pose seems to call for a specific action of this kind.

[103] Εἰκόνες 4.

[104] National Museum, No. 705 (not at present [1927] on exhibition). Cf. Amelung, *loc. cit.;* Furtwängler, *op. cit.*, p. 138, note 2; Bieber, *Jahrbuch*, fig. 15. Furtwängler (*op. cit.*, p. 138) suggested the fine head from Herculaneum—the pendant to the Doryphoros by Apollonios—as perhaps the type of the Pheidian Amazon.

[105] Εἰκόνες 6.

[106] Furtwängler, *op. cit.*, p. 138, note 2.

[107] VI. 4. 5.

[108] Smith, *Catalogue*, I, No. 501.

Pheidias had many pupils, and his influence was widespread, so that the identification can be regarded only as a probable theory.

Other Works

Ancient writers mention a number of other works by Pheidias: as early works, a group at Delphi of Athena, Apollo, Miltiades, Erechtheus, Kekrops, and other heroes—a tithe offering after Marathon,[109] a chryselephantine Athena at Pellene,[110] an Athena of gilt wood with marble face, hands, and feet at Plataia;[111] during Perikles' administration, an Aphrodite Ourania of Parian marble at Melite;[112] in his later years, an Aphrodite Ourania of gold and ivory with one foot on a tortoise at Elis,[113] a bronze Apollo,[114] a Hermes at Thebes,[115] a bronze Athena,[116] a marble Aphrodite[117] "of great beauty," and so on. They are mere names to us now, unfortunately.

The diversity of Pheidias' genius is attested by the fact that he worked in marble, bronze, and gold and ivory; and that like so many artists of the Renaissance he combined the profession of sculptor with that of painter[118] and engraver.[119]

ATTRIBUTIONS

Inevitably a considerable number of statues of the period have been brought into connection with the magic name of Pheidias; e.g., the fine Apollo from the Tiber in the National Museum in Rome (fig. 38), the Eleusis relief in Athens (fig. 481), the statuesque Zeus in Dresden,[120] the Demeter in Cherchel, the Kore in the Villa Albani. They all have the Pheidian grandeur, but they do not really help us to visualize his style, for their connection with the master is not certain.

Is this, then, all we know of the greatest of Greek sculptors—a few reproductions on Roman coins and in Roman statues of a handful of his works? Fortunately we have other material to help us in our search. Since Pheidias was placed in charge of the artistic undertakings during Perikles' administration[121] he must have been responsible for the greatest of these—the Parthenon. Plutarch[122] tells us that under him worked many architects, artists, and artisans, but "everything was under his direct charge." It stands to reason then that though he cannot have executed the sculptures of the Parthenon himself—probably an army of workmen was employed on this great task to complete it in the phenomenally short period of its production—he nevertheless had a guiding hand in them. He must have sketched the designs, or at least initiated and revised them. At all events his genius presided over their creation and they certainly show—one and all—"the sublimity and precision" (*ἔχουσά τι καὶ μεγαλεῖον καὶ ἀκριβὲς ἅμα*) which we are told were the chief characteristics of his style.[123] It was indeed a mighty task. The ninety-two metopes (of which only twenty are fairly well preserved now) were executed between 447 and 443[124] at the beginning of the building; for they had to be in place before the erection of the cornice. The frieze (524 feet, 1 inch,[125] about 160 meters long) was probably carved in situ between 442 and 438.[126] The two pediments come last in date, between 439 and 432,[127] after the dedication of the temple statue in 438. Together they show us the development of sculpture in Athens during the third quarter of the fifth century. And an astounding picture it is—from the grandiose, simple metopes (figs. 415, 416) to the quiet, rhythmical frieze (figs. 291, 356, 486, 488, 489), and ending with the rich and splendid pediment figures (figs. 69–71, 91, 119, 394–396, 622). But different though they are in details of modeling and composition they are all imbued

---

[109] Pausanias X. 10. 1. Erected probably about 465 B.C.

[110] Pausanias VII. 27. 2.

[111] Pausanias IX. 4. 1; Plutarch, *Aristid.* 20.

[112] Pausanias I. 14. 7.

[113] Pausanias VI. 25. 1.

[114] Pausanias I. 24. 8.

[115] Pausanias IX. 10. 2.

[116] Pliny, *N.H.* XXXIV. 54.

[117] Pliny, *N.H.* XXXVI. 15.

[118] Pliny, *N.H.* XXXV. 54.

[119] Martial III. 35; IV. 39. 1, 4; X. 87. 15 f.; Nicephor. Gregor., *Hist.* VIII. 7; Julian. Imperat., *Epist.* 8.

[120] Good illustrations of this and the other statues are in Hekler's *Pheidias.*

[121] Plutarch, *Perikles* XIII. 4.

[122] *Op. cit.*, XIII. 9.

[123] Demetrius, *De Eloct.* 14.

[124] The building records of the Parthenon, fragments of which are preserved, help to establish the dates of the various parts of the building; cf. Dinsmoor, *A.J.A.*, 1913, pp. 77 ff.; 1921, pp. 242 ff. The first entry is in the year 447–446.

[125] Smith, *The Sculptures of the Parthenon*, p. 52.

[126] We have a record in the building inscription for wood purchased in 444–443, probably for the scaffolding necessary for the erection of the frieze and the roof; and in 438 the wood from these scaffoldings is sold; see also pp. 32 f.

[127] According to the building inscription, marble for this purpose was brought to the workshops in 439–438 and the work begun the following year. In 434–433 there is an entry of 16,392 drachmas given as yearly wages to the sculptors ([ἀγαλ]ματοποιοις) (Woodward, *B.S.A.*, 1909–1910, pp. 196–197). That Pheidias could not have executed the pediment sculptures himself is clearly indicated by the mention of sculptors instead of sculptor (probably about ten, for they receive about five times as much as the wage given to the sculptors of the Epidauros pediment and akroteria [see pp. 275 f.] when wages were about 100 per cent higher). On the other hand a design or model of the pediment figures must have preceded the beginning of their execution; and surely Pheidias would not neglect or leave entirely to others the most important feature in the decoration of the temple. Those who think that the drapery of the "Fates" is post-Pheidian in conception should remember the garments of the Pheidian Amazon (fig. 620) and of the seated figure on the metope from the north side of the Parthenon (Smith, *op. cit.*, pl. 25, 1), both immediate precursors.

with the same spirit—that quality of Pheidias' genius which made him excel in creations of divinities, that idealism which to many now is the distinctive quality of Greek art, and which made writers of old say of him: "He is justly held to have been the first to reveal the art of sculpture and to point out the path to his successors."[128]

(*b*) *Kresilas*

Origin

Kresilas from Kydonia, Crete, may be ranked among Athenian sculptors, for his chief works seem to have been executed in Athens. Five bases of statues giving Kresilas as the name of the sculptor have been found, three on the Akropolis of Athens: (1) *Ἑρμόλυκος Διειτρεφους ἀπαρχήν. Κρησίλας ἐπόησεν,*[129] "Hermolykos, the son of Dieitrephes [set it up] as a first offering. Kresilas was the sculptor." Dated *c.* 450 B.C. (2) [*Περ*]*ικλέους* [*Κρησ*]*ίλας ἐποίει,*[130] "[A portrait] of Perikles. Kresilas was the sculptor." Dated 440–430. (3) [*τόνδε Πύρης*] *ἀνέθηκε Πολυμνήστου φίλο*[*ς υἱὸς*]*εὐξάμενος δεκάτην Παλλάδι Τριτογενεῖ Κυδωνιήτας Κρησίλας εἰργάσσατο,*[131] "This Pyres, the dear son of Polymnestos, dedicated as a tithe to Athena the Trito-born in fulfilment of a vow. Kresilas the Kydonian made it." Somewhat later than (1). (4) *Ἀλεξίας Λύωνος ἀνέθη*[*κε*] *τᾷ Δάματρι τᾷ* [Χ]*θονία*[*ι*] *Ἑρμιονεύς. Κρησίλας ἐποίησε Κυδωνιάτ*[*ας*],[131a] "Alexias, the son of Lyon, of Hermione, dedicated it to the Chthonian Demeter. Kresilas of Kydonia made it" at Hermione. Probably rather later than the Athenian inscriptions. (5) *Κρησίλας ἐποίη . . . ἐκ Κυδωνίας,* "Kresilas of Kydonia made it" at Delphi.[132] We learn from these that Kresilas was active during 450–425, though the period can of course have been more extensive.

Date

Works

It is possible to connect the first two inscriptions with ancient texts and extant sculptures.

Perikles

Pliny[133] mentions as one of Kresilas' works "Perikles the Olympian," and describes it as worthy of his name, adding, "The marvel of this art is that it has made men of renown yet more renowned."[134] Two herms inscribed with the name of Perikles, in the British Museum[135] (fig. 624) and in the Vatican[136] (fig. 623), are clearly Roman copies of a work of about 440,[137] that is, of the same period as the inscription. On the inscribed block which served as a base to the original portrait the word [Περ]ικλέος occupies one line and [Κρεσ]ίλας ἐποίε another, the left half of the stone with some of the letters being missing. If the inscription was in the middle of the block, as is probable[138] but not certain, it must have been narrow and therefore suitable for the support of a herm rather than a statue, and this would supply additional evidence that the existing herms reproduce the work of Kresilas. But we must remember that apparently many portraits of Perikles were erected. For instance, Plutarch[139] says that "the images of Perikles *almost all of them* wear helmets"; so we are still bound to regard the identification as tentative. However that may be, the herms in question certainly show us a fine conception of the great Athenian who guided the fortunes of his city at one of the most critical periods of her history and to whom—more than to any other single man, except to the creative artists Pheidias and Iktinos—the great achievement of the Parthenon was due. The sculptor has admirably caught the noble, somewhat haughty spirit, which was able to rise above criticism when occasion demanded it, and which combined this detachment with a devoted friendship for people like Pheidias, Anaxagoras, and Aspasia. It would not be too much to say that such a portrait added yet more renown to Perikles' fame.[140] The portrait though generalized in the style of the fifth century is curiously individual in details. Perikles' high skull—which earned him the nickname of squill head[141]—is shown in the Naples copy where the hair shows through the eyeholes of the helmet. The little tilt of the head in the British Museum example (which is unbroken) is evidently a characteristic pose and gives it a very lifelike quality. The small oblique wrinkles at the birth of the eyebrows with the two little horizontal cuts[142] beneath it accentuate the serious, thoughtful character of the head, while the full, sensuous lips suggest his more emotional and artistic side.

---

[128] Pliny, *N.H.* XXXIV. 54.

[129] Loewy, *Inschriften,* No. 46.

[130] Δελτ. ἀρχ. (old series), 1889, p. 36.

[131] Loewy, *op. cit.,* No. 47; repeated in *Anth. Pal.,* XIII, 13.

[131a] Loewy, *op. cit.,* No. 45.

[132] *B.C.H.,* 1899, p. 378. At present (1927) near the entrance of the Museum.

[133] *N.H.* XXXIV. 74.

[134] Pausanias (I. 25. 1) saw a portrait of Perikles on the Akropolis.

---

[135] Smith, *Catalogue,* I, No. 549.

[136] Helbig, *Führer,*^{3} I, No. 276.

[137] A third copy without the inscription is in the Barracco Museum (*Catalogue,* pl. 39, 39a); a fourth is in Berlin, No. 1530, published by Kekulé, *Bildnis des Perikles,* 61. *Winckelmannsprogramm,* p. 16.

[138] Cf. Furtwängler, *Masterpieces,* p. 117; and Lolling, Δελτ. ἀρχ. (old series), 1889, pp. 36 f.

[139] *Perikles* III. 2.

[140] See above.

[141] Plutarch, *Perikles* III. 2 and XIII. 6.

[142] These do not appear in all the replicas.

Volneratus

Another famous work by Kresilas mentioned by Pliny[143] is "a man wounded and dying [volneratus deficiens] in whom the spectator can feel how little life is left." Pausanias[144] in describing the Akropolis of Athens mentions "a bronze portrait of Dieitrephes shot with arrows." Ross conjectured that the inscription from the Akropolis on the base of the Dieitrephes by Kresilas[145] belonged to the statue mentioned by Pausanias and that this was identical with Pliny's wounded man. Pausanias[146] identifies Dieitrephes with the Athenian general mentioned in Thucydides VII. 29 (414 B.C.) and VIII. 64 (411 B.C.). But these dates are too late for the character of the letters on the inscription; Furtwängler[147] therefore suggests an elder Dieitrephes, the father of Nikostratos (Thucydides III. 75; IV. 119, 129), about whom however nothing definite is known. It is quite possible of course that Kresilas made two statues—a Volneratus deficiens and a Dieitrephes shot with arrows. The base with the Dieitrephes inscription[148] is square and the upper side is only about 27½ by 29½ inches (70 × 75 cm.), showing that the statue—if that of a volneratus—was not represented fallen, but apparently in the act of falling. The boldness of such a conception would be typical of the transitional epoch (cf. figs. 136, 578) and would show that Kresilas—at least during his youth—caught the spirit of the experimental period in which he lived and attempted the momentary poses popular at the time. We may obtain some visualization of such a statue from extant representations of falling figures of that period such as the warrior ("shot with arrows") on the lekythos in the Bibliothèque Nationale in Paris[149] (fig. 129 on p. 68), the bronze statuette in Modena[150] (fig. 128), and the bronze wounded warrior in St. Germain-en-Laye[151] (figs. 127, 625; later reconstructed as a lamp support). The last bears a certain similarity to the Capitoline Amazon (figs. 626, 627) and the Perikles (figs. 623, 624)—in the heavy eyelids, the strongly marked tear-ducts, the full lips with depressed corners, and the oval face; its identification therefore as a copy of Kresilas' Volneratus deficiens (suggested by S. Reinach) is certainly attractive.

---

[143] *N.H.* XXXIV. 74.

[144] I. 23. 3.

[145] See above (Loewy, *Inschriften*, No. 46).

[146] I. 23. 3.

[147] *Masterpieces*, p. 123.

[148] Loewy, *op. cit.*, No. 46. The two holes on the upper face of the base noted by Loewy are not deep enough to have served for the attachment of a statue and can therefore not be taken as evidence of its pose.

[149] Furtwängler, *Masterpieces*, fig. 48.

[150] Bulle, *Der schöne Mensch*, pl. 94. Here the attitude of the legs is reversed.

[151] S. Reinach, *Gazette des Beaux-Arts*, 1905, p. 203. The genuineness of the statuette has been doubted. When I examined the original (in 1927) I could see no valid reasons for such doubts.

Amazon

Another statue which has been brought into connection with Kresilas is the Amazon in the Capitoline Museum[152] (fig. 627). Since Pliny[153] (cf. p. 227) tells us that he made a "wounded Amazon," and since the only other extant type of wounded Amazon has been identified on good evidence as by Polykleitos (cf. p. 249), it is possible that this one is by Kresilas. The fact that she is wounded is indeed here a dominant note and warrants Pliny's special mention of it. The head (fig. 626), moreover, bears a similarity to that of the Perikles.[154] Unfortunately the right arm is wrongly restored in the Capitoline copy and spoils the composition. It should be raised and leaning on a spear, as indicated by the representation on a gem (fig. 632),[155] an attitude both more harmonious and more suggestive of her helplessness. The number of copies preserved of this type, especially heads, speaks for its popularity in ancient times.[156]

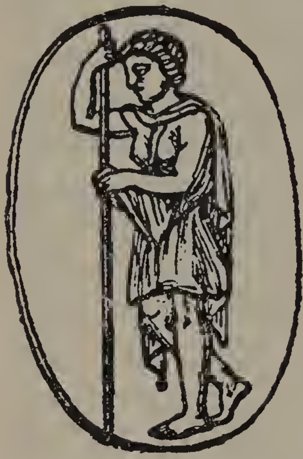


Fig. 632. Amazon, on a gem (from a drawing, enlarged)
Bibliothèque Nationale, Paris

ATTRIBUTIONS

Basing his study of Kresilas on the Perikles and the Amazon (both of which however we must remember are tentative assignations) Furtwängler attributed to him the originals of the Athena Velletri,[157] the Diomede,[158] the Medusa Rondanini,[159] and the Petworth Athlete[160] (cf. fig. 195). They certainly have in common certain marked characteristics—the long, narrow eyes with heavy lids and strongly marked tear-ducts, the vertical grooves above the nose

---

[152] Cf. Furtwängler, *Masterpieces,* pp. 128 ff.

[153] *N.H.* XXXIV. 75; see also XXXIV. 53.

[154] Cf. the analysis by Furtwängler, *op. cit.,* p. 134. This has of course been disputed by the adherents of other theories; but see Bieber, *Jahrbuch,* 1918, p. 72.

[155] Klügmann, *Amazonen,* Titelvignette = Bieber, *op. cit.,* p. 68, fig. 13.

[156] Cf. list given by Michaelis, *Jahrbuch,* I, 1886, p. 17, supplemented by Furtwängler, *op. cit.,* p. 132, note 1.

[157] *Op. cit.,* p. 141.

[158] *Ibid.,* p. 146.

[159] *Ibid.,* p. 156.

[160] *Ibid.,* p. 161. To the list of replicas of this type must now be added the head in the Metropolitan Museum, *Handbook* (1930), p. 253, fig. 177.

(present in the Perikles and the Diomede), the full, finely modeled lips with a slight depression at the corners, and the rendering of the hair in a series of ringlets (somewhat freer in treatment in the Petworth Athlete). The heads are all noble, severe types with a touch of melancholy (specially noticeable in the Amazon and the Petworth head) which gives them an individual cast, imparting an interesting mingling of idealism and realism.

We have tried to peer through the darkness in which the personality of Kresilas is still hidden, and have obtained a certain realization of what his style perhaps was. But it is based only on guesses, and this we must bear in mind in any future reconstructions.

(*c*) *Alkamenes*

Origin

Alkamenes seems to have been an Athenian; for he is referred to as such by Pliny[161] and most of his important works were made in Athens; moreover, in a competition with Agorakritos, a Parian, we are told that Alkamenes won, "not by the merit of his work, but by the votes of his city, whose people supported their townsman against an alien."[162] Besides this testimony Suidas'[163] statement that he was a Lemnian and Tzetzes'[164] that he was an islander can hardly be credited.

Date

The fame of Alkamenes was widely recognized: Pliny[165] speaks of him as "an artist of the first rank, whose works are to be found in many temples at Athens," Lucian[166] borrows from him several points for his perfect statue, and he is classed with the great Pheidias and Polykleitos by Dionysios of Halikarnassos.[167] Most of the available evidence points to the second half of the fifth century as the period of his activity. He is referred to generally as the pupil,[168] occasionally as the rival and contemporary[169] of Pheidias, terms not mutually exclusive of one another, for a pupil, even if considerably younger than his master, may later become his rival and even be called his contemporary. We have a definite date for what must have been one of his latest works—a colossal marble relief of Athena and Herakles "dedicated after the Tyranny of the Thirty"[170] (404–403 B.C.).

---

[161] *N.H.* XXXVI. 16.

[162] Pliny, *N.H.* XXXVI. 17.

[163] Under Ἀλκαμένης.

[164] *Chil.* VIII. 340. Unless, of course, they are referring to another Alkamenes (see p. 238).

[165] *N.H.* XXXVI. 16.

[166] Εἰκόνες. 6.

[167] *περὶ τῆς Δημοσθένους λέξεως*, 50. 1108.

[168] Pliny, *N.H.* XXXVI. 16 and 17, and XXXIV. 72.

[169] Pliny, *N.H.* XXXIV. 49 and Tzetzes, *Chil.* VIII. 340.

WORKS

Hermes Propylaios

What little help the monuments give us points in the same direction. In 1903 there was found at Pergamon a herm of a bearded head[171] (fig. 628) with the important inscription: "You will recognize Alkamenes' beautiful statue, the Hermes before the gates. A Pergamene set it up."[172] Evidently we have here a Roman copy of a well-known work by Alkamenes, perhaps of the Hermes of the Gateway (ὃν Προπύλαιον ὀνομάζουσι) which Pausanias saw at the entrance of the Akropolis,[173] but of which he does not name the sculptor. That it was a famous production is attested by the large number of copies we have, large and small, preserved in many museums (cf. fig. 629[174]). The style of the herm is evidently archaistic, the formal treatment of the hair and beard being conditioned by its architectonic character; for the rendering of the eyes places it in the second half of the fifth century.

Seated Dionysos

There are representations of a seated Dionysos on Roman coins of Athens[175] (fig. 631) which appear to reproduce the temple statue by Alkamenes seen by Pausanias[176] "in the ancient precinct of Dionysos close to the theater." The stiffness of the pose—compared to the Olympian Zeus—suggests a date before rather than after the Pheidian creation. The head, however, as it appears separately on the coins (fig. 630), in which the eyes are deep-set, places it well in the second half of the fifth century.

Other Works

Ancient writers speak of a Hephaistos "in whom, though he is standing upright and clothed, lameness is slightly indicated in a manner not unpleasing to the eyes,"[177] of a Hera in a temple on the way from Phaleron to Athens,[178] an Ares,[179] an Asklepios,[180] and an athlete.[181] According to Pausanias[182] he was the first who made "three images of Hekate attached to each other"; and such a triple image by him called Hekate on the Tower stood in Athens beside the temple of Athena Nike. His masterpiece was evidently his Aphrodite in the Gardens, in which Lucian admired especially "the cheeks and prominent parts of the face, and furthermore the hands and the symmetry of the wrists and the delicacy of the tapering fingers";[183] "Pheidias himself is said to have put the finishing touches to this work."[184] None of these works have been satisfactorily identified[185] with extant statues. The Aphrodite of the Gardens was once thought to be reproduced in the Venus Genetrix type,[186] but except for its attractiveness and its evident popularity (there are many extant replicas[187]) we have unfortunately no convincing evidence. Moreover the figure appears too "pretty" for the sculptor of the imposing herm. Among the other attributions the one most persistently made of late is the group of Prokne and Itys in the Akropolis Museum[188] which is supposed to be identical with the group mentioned by Pausanias as dedicated by one Alkamenes—a common enough name in Athens and not at all necessarily the sculptor. Moreover the Akropolis statue has not the finish of workmanship we should expect from a great master like Alkamenes.[189]

---

[170] Pausanias IX. 11. 6.

[171] Now in the Constantinople Museum; cf. Mendel, *Catalogue des sculptures*, II, No. 527.

[172] Εἰδήσεις ’Αλκαμένεος περικαλλὲς ἄγαλμα ‘Ερμᾶν τὸν πρὸ πυλῶν. εἵσατο Περγάμιος.

[173] Pausanias I. 22. 8.

[174] Metropolitan Museum, *Catalogue of Bronzes*, No. 235.

[175] Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. CC, Nos. I–IV, p. 142.

[176] I. 20. 3.

[177] Cicero, *N.D.* I. 30.

[178] Pausanias I. 1. 5.

[179] Pausanias I. 8. 4.

[180] Pausanias VIII. 9. 1.

[181] Pliny, *N.H.* XXXIV. 72.

[182] II. 30. 2.

STYLE

It is difficult to form a proper estimate of the style of Alkamenes from the meagre evidence at our disposal. We may gather at least from the descriptions of his works that his favorite subjects were deities, and that these must have suited his style best. This is borne out by Quintilian's[190] remark that Polykleitos' work lacked the majesty (*pondus*) which Pheidias and Alkamenes were both able to impart to their statues. The herm and the Dionysos certainly suggest this quality of lofty serenity. So we can visualize Alkamenes as a worthy successor of Pheidias in his great idealistic conceptions.

But there is a piece of evidence which does not fit into this picture. Pausanias[191] in his description of the pediments of Olympia says that the pediment sculptures on the western end are by Alkamenes,

---

[183] Εἰκόνες 6.

[184] Pliny, *N.H.* XXXVI. 16.

[185] For a summary of attributions made and some new suggestions, cf. Schröder, *Alkamenes-Studien* in *Winckelmannsprogramm,* 1921; cf. also Schrader, *Phidias,* pp. 184 ff.; Walston, *Alcamenes,* pp. 149 ff.

[186] The best replica is in the Louvre; cf. Brunn-Bruckmann, *Denkmäler,* pl. 473.

[187] Harcum, *A.J.A.,* 1927, pp. 141 ff.

[188] Casson, *Catalogue,* pp. 257–258, Nos. 1358 and 2789.

[189] It does not stand comparison, for instance, with the Parthenon pediment figures (of which casts are conveniently placed in the same room in the Akropolis Museum), though the latter were to be seen at a considerable height.

[190] *Inst. orat.* XII. 10. 8 (7).

[191] V. 10. 8.

"a contemporary of Pheidias and second only to him in the sculptor's art." It seems unlikely that Alkamenes should have been a prominent enough sculptor in 465–460 to be commissioned with a pediment composition of one of the most important temples in Greece and still be active after 403.[192] Moreover, the little that we learn of Alkamenes' style in the herm from Pergamon and the Dionysos on the coins is not in line with that of the Olympia pediments. We shall see later (see p. 243) that Pausanias' ascription of the east pediment to Paionios is also open to grave doubts. We must therefore either reject Pausanias' statement and put it down as one of his numerous mistakes, or we must suppose that there was an elder Alkamenes belonging to the first half of the fifth century. For the latter view some support may be gained from the fact that Pliny[193] places Alkamenes with such early sculptors as Critias (Kritios), Nesiotes, and Hegias. But since they are called contemporaries of Pheidias, and a date about 448 (83d Olympiad) is assigned to them, not much comfort can be derived therefrom; especially as Pliny's table is inaccurate in so many respects.

(*d*) *Agorakritos*

Pliny[194] gives the following account of Agorakritos: "Agorakritos of Paros was also a pupil of Pheidias, who was attracted by his youthful beauty, and so is said to have allowed his name to appear on several of his own works. Both pupils, however, entered into competition with representations of Aphrodite, and Alkamenes bore the palm; Agorakritos accordingly sold his statue, as the story goes, on the condition that it should not remain at Athens, and called it Nemesis; it was set up at Rhamnous, a deme of Attica, and was preferred by Varro to all statues." By other writers[195] this statue of Nemesis is assigned to Pheidias, in spite of the fact that on a fold of the garment was the signature of Agorakritos: Ἀγοράκριτος Πάριος ἐποίησεν, "Agorakritos of Paros made it"; the popular explanation given being that Pheidias let Agorakritos do this as a special favor. But Pliny's account is very specific and the fact that

---

[192] On the marble relief of Athena and Herakles (cf. p. 236). Schrader's attempt (*Phidias*, pp. 135 ff.) to get out of the difficulty by assigning the later angle figures to Alkamenes is of course purely hypothetical.

[193] *N.H.* XXXIV. 49.

[194] *N.H.* XXXVI. 17.

[195] Strabo, Zenobios, Suidas, Photios, Tzetzes, Hesychios, Pomponius, and Solinus; cf. Overbeck, *Schriftquellen*, 835–843.

Photios,[196] who repeats the popular story, says that the statue was first made for Aphrodite reinforces Pliny's testimony.[197] Probably in later times the statue was attributed to the more famous artist and the story of Pheidias' generosity to his favorite in letting him attach his name to his own works was invented to support the claim.

We obtain further details regarding this statue from Pausanias:[198] "On the head of the goddess rests a crown bearing stags and small images of Victory; in her left hand she holds an apple branch, in her right a bowl on which Ethiopians are represented." It was of Parian marble,[199] ten cubits in height,[200] and was mounted on a base decorated with reliefs.[201] For its name, Nemesis, "of all deities the most implacable enemy of insolent men," Pausanias[202] gives a different account from that by Pliny; namely, that the Persians who landed at Marathon "incurred the wrath of the goddess for thinking in their pride that Athens lay as a prize at their feet and bringing Parian marble for the erection of a trophy as though they had accomplished their end." This marble was later made into the statue of Nemesis.

These stories assume special interest since a fragment of this statue was actually found during excavations in the temple of Nemesis at Rhamnous[203] (fig. 633). It is the upper part of a marble head and could easily be identified as the work in question, for it fits the evidence exactly. It is female, colossal in size, of the style of the second half of the fifth century, and it has traces of a stephanos with holes above—to carry the decorated crown described by Pausanias. So we may confidently take this little fragment as coming from the hand of Pheidias' favorite pupil. Small and battered though it is, its study teaches us that Agorakritos followed closely in the footsteps of his great master. The flat, wavy hair, the accentuated lower eyelid, the simple modeling of the cheek are closely paralleled on the figures of the Parthenon frieze; and they produce the same general effect of serenity and grandeur. For the composition of the statue we may obtain a general idea from the representations on fourth-century coins of Cyprus of a goddess holding a phiale and a branch[204] (fig. 634). Besides this piece of the statue there have been found a number of fragments of the relief which decorated its base,[205] including heads of women (cf. fig. 635) and youths, parts of draped bodies, and a horse's head. The execution—in very high relief, about half life-size—is charmingly delicate, though somewhat cursory, as would be natural in a decorative composition, probably designed by Agorakritos but executed by his assistants. We learn from Pausanias that the subject was Leda bringing Helen to Nemesis in the presence of Homeric heroes;[206] and we can obtain an idea of its composition by a Roman copy of four of the figures in Stockholm.[207]

---

[196] Ῥαμνουσία Νέμεσις.

[197] Cf. on this subject Wilamowitz, *Antigonos von Karystos* in *Philologische Untersuchungen,* IV, 1881, pp. 10 f.

[198] I. 33. 2.

[199] Pausanias I. 33. 2.

[200] Zenob. V. 82.

[201] Pausanias I. 33. 7–8.

[202] I. 33. 2.

[203] Rossbach, *Ath. Mitt.,* 1890, pp. 64 ff. It is now in the British Museum, cf. Smith, *Catalogue,* I, No. 460.

There are two other works by Agorakritos mentioned by ancient writers—a bronze group of Athena Itonia and Zeus in the temple of Athena at Koroneia in Boeotia[208] and a statue of the Mother of the Gods.[209] The latter is described as seated, holding a cymbal in her hand, and with lions under her throne. We may therefore have reproductions of it in a type which occurs in a number of replicas in many variations and corresponds to this general description.[210]

From all this evidence we learn that Agorakritos was a worthy representative of the idealistic school which Pheidias had inaugurated.

(*e*) *Kallimachos*

Of Kallimachos we know the following: he made a golden lamp for the Athena Polias[211] (in the Erechtheion, which was completed in 408) and a seated image of Hera[212] for a temple at Plataia which was erected after 426. He is said to have invented the Corinthian capital,[213] and to have been the first[214] "to bore marble"[215] (λίθους πρῶτος ἐτρύπησε), that is, to employ the drill. He was known for the finicking quality of his work. Pliny[216] says of him: "Of all the artists Kallimachos is the most remarkable for the epithet applied to him. He continually subjected his own work to the severest criticism and bestowed endless labor upon it, for which reason he was called *catatexitechnus*, 'the man who enfeebles his art'; a memorable warning that even diligence must have its limit. His dancing maidens of Sparta is a work of flawless precision, but one robbed of all its charm by the excessive labor spent on it." Vitruvius[217] and Dionysios of Halikarnassos[218] both speak of the elegance and grace of his work. It is ingenuity, then, and graceful elaboration that characterize this master. The latter quality can be detected in the archaistic relief in the Capitoline Museum[219] of Pan and the Three Graces (fig. 636) on which is the inscription, "Kallimachos made it,"[220] of Roman (or modern?) date. The relief is clearly not an original by Kallimachos, but, if the inscription is genuine, perhaps a later copy of one of his works.[221] And if he is responsible for the original of this relief he may be the originator also of some of the other graceful figures with elaborated draperies, archaistic and otherwise, which appear in Neo-Attic reliefs (cf. fig. 515). At all events the exaggerated transparency of the garments would place their prototypes at the very end of the fifth or the beginning of the fourth century, which is the period in which Kallimachos appears to have been active; and their fussiness and elegance bear out the estimate in which Kallimachos was held. So the attribution is at least a possible one. And it would make us agree with Pausanias'[222] statement that Kallimachos "fell short of the first rank in his art"; for his figures, charming though they are, lack the significance of the great works of this period.

---

[204] Six, *Numismatic Chronicle,* 3d series, vol. II, 1882, pl. V, pp. 89–102.

[205] National Museum, Athens, Nos. 203–214.

[206] Pausanias I. 33. 7–8.

[207] Kjellberg, *Nationalmusée Arsbok,* 1923, pp. 1 ff., fig. 1. Compare the reconstruction made previous to the identification of the Stockholm relief by Pallat, *Jahrbuch,* 1894, p. 9.

[208] Pausanias IX. 34. 1.

[209] Pliny, *N.H.* XXVI. 17; attributed to Pheidias by Pausanias I. 3. 5, and Arrian, *Peripl. Pont. euxin.* 9.

[210] von Salis, *Jahrbuch,* 1913, pp. 1 ff.

[211] Pausanias I. 26. 6.

[212] Pausanias IX. 2. 7.

[213] Vitruvius IV. 1. 10.

[214] This can hardly be correct, for both the simple drill and the running drill were in use at an earlier period, cf. p. 144.

[215] Pausanias I. 26. 7.

[216] *N.H.* XXXIV. 92.

(*f*) *Paionios*

Paionios of Mende, in Thrace, is known to us by an original work found in Olympia in 1875.[223] It is a statue of a flying Victory with an eagle beneath her, the whole mounted on a high triangular base[224]

---

[217] IV. 1. 10.

[218] *De Isocrate* 543R.

[219] Helbig, *Führer*,³ I, No. 844.

[220] Loewy, *Inschriften*, No. 500.

[221] Cf. Schmidt, *Archaistische Kunst*, pp. 62–63; Brunn-Bruckmann, *Denkmäler*, pl. 654, left.

[222] I. 26. 6.

[223] Furtwängler, *Olympia*, III, pls. XLVI–XLVIII, text, pp. 182 f.; for the latest reconstruction by Grüttner, cf. Pomtow, *Jahrbuch*, 1922, p. 62, fig. 5.

[224] Nine blocks of the base have been found. It has been estimated that originally there were twelve blocks, which would bring the total height to nearly 30 feet (9 meters).

(figs. 637, 638). On the latter is the following inscription:[225] "The Messenians and Naupaktians dedicated [it] to Olympian Zeus as a tithe of the spoil of their enemies. Paionios of Mende made the statue and was a successful competitor in the construction of the akroteria for the temple." To make our evidence complete the statue is described by Pausanias:[226] "The Dorian Messenians who formerly received Naupaktos from the Athenians dedicated at Olympia a statue on a pillar. This was the work of Paionios of Mende, and was set up from spoils taken from the enemy when the Messenians were at war with the Akarnanians and the people of Oiniadai. Such at least is my view; but the Messenians themselves assert that the statue is a memorial of the engagement in the island of Sphakteria in which they fought beside the Athenians and that they did not inscribe the name of the enemy on the monument for fear of the Spartans, while they had no fear of the Akarnanians or the people of Oiniadai." We can imagine Pausanias in the Altis puzzling over the inscriptions and wondering who the enemy referred to was! It is not likely, however, that his guess is right, for in the expedition against the Oiniadai (in 452 B.C.) the Messenians were anything but successful and had to beat a hasty retreat by night. There is no reason, therefore, to doubt the Messenian tradition that the engagement referred to was the battle of Sphakteria. This places the statue not long after 424, a date which accords well with its style; for the transparency of the drapery against the body and its sweeping folds where it is blown around the figure are characteristics of the last quarter of the fifth century.[227] Attempts made to date the statue earlier, about 450,[228] are supposed to derive support from the early style of the head, better preserved replicas of which have recently been discovered[229]—the "Hertz head"[230] (figs. 639, 640) and the head from the Vatican Magazzini[231] (fig. 641). But the early appearance of the former is largely due to the rendering of the nose, which is restored, while a study of the eyes with the delicately modeled lower lids and of the rounded mouth point to a later date; and this is fully borne out by the Vatican head, in which the work is more delicate and variegated, thoroughly in line with later fifth-century work. The beautiful poise of the figure and the bold and yet restrained composition show us Paionios as a sculptor of individuality, strongly imbued with the great conceptions of his period.

---

[225] Loewy, *Inschriften*, No. 49.

[226] V. 26. 1.

[227] See pp. 99 f.

[228] Amelung, *Röm. Mitt.*, IX, pp. 168 f.; but see the discussion by Furtwängler, *Olympia*, III, text, pp. 191 ff.; and recently, Pfuhl, *Jahrbuch*, 1926, p. 25.

[229] They show some variations from the Olympia example, e.g., in the rendering of the headband.

[230] Amelung, *op. cit.*, 1894, pp. 162 f.

[231] Strong, *Illustrated London News*, Sept. 9, 1922, p. 382, fig. 13. To be published by G. Kaschnitz-Weinberg in the *Atti della Pontificia Accademia di archeologia.*

The date of the Nike is important in our consideration of Pausanias' attribution to Paionios of the eastern pediment of the temple of Zeus at Olympia:[232] "The sculptures of the front pediment are the work of Paionios, a native of Mende in Thrace." Though the period of time which separates the pediment sculptures from the Nike is not so great as in the case of Alkamenes,[233] it is nevertheless considerable. But a more important difficulty is the difference of style. How is it possible to attribute to the same master works stylistically so far removed from each other? It is best, therefore, to suppose either that Pausanias was mistaken, or that there was an earlier Paionios. Possibly Pausanias was misled by the statement in the inscription that Paionios "made the akroteria of the temple" and confused them in his mind with the pediment. The akroteria are elsewhere described by Pausanias:[234] "A gilt kettle is set on each extremity of the roof of the temple at Olympia; and a Victory, also gilt, stands just at the middle of the gable."[235]

(*g*) *Strongylion*

Pausanias describes a bronze statue of the wooden horse which he saw on the Akropolis: "The story of the horse is that it contained the bravest of the Greeks, and the bronze horse is in accordance therewith, for Menestheus and Teukros are leaning out of it, and the sons of Theseus also."[236] Part of the marble base of this ambitious composition was found on the Akropolis in 1840 (fig. 644) with the following inscription: "Chairedemos, the son of Euangelos of Koile, dedicated it. Strongylion made it."[237] Aristophanes refers to this horse in his *Birds*[238] and cites the first five words of the inscription. The lettering of the inscription also agrees with a date in the last quarter of the fifth century.

---

[232] V. 10. 6.

[233] See pp. 237 f.

[234] V. 10. 4.

[235] That this Victory was a reduced copy of the one on the triangular base is not suggested by our present knowledge of Greek sculpture. This applies also to Pomtow's theory (*Jahrbuch,* 1922, pp. 55 ff.) that the statue erected on the Messenian triangular base in Delphi was the bronze original from which the Victory in Olympia was copied. The fifth century was an age of original creations, not of replicas.

[236] Pausanias I. 23. 8.

[237] Loewy, *Inschriften,* No. 52.

[238] 1128.

Pausanias and Pliny mention other works by Strongylion—an Amazon "with beautiful legs" greatly admired by Nero, who carried it with him from place to place;[239] a boy to whom Brutus became so attached that it went by the name of "Bruti puer";[240] Muses on Mount Helikon;[241] and an Artemis called "the Saviour" (Σώτειρα) at Megara.[242] The latter is represented on Roman coins of Megara and Pegai[243] (fig. 643), where the goddess appears in a short chiton, running, with a torch in each hand. Sometimes the figure is mounted on a base inside a temple. A figure in such rapid motion is unusual for a temple statue and like the bronze horse bears out the originality of the artist. From Pausanias[244] we learn also that Strongylion made "oxen and horses of remarkable excellence." He was evidently, like Myron, a great animal sculptor; and he was akin to him also in his adventurous spirit.

(*h*) *Polykleitos*

Origin

Polykleitos on the base of his statue of Pythokles[245] calls himself "an Argive" and is referred to as such by Plato[246] and Pausanias.[247] Pliny[248] says he came from Sikyon, the later successor of Argos in civic and artistic importance, and therefore an understandable anachronism. He is said to have been a pupil of the Argive Ageladas.[249] Plato calls Polykleitos a contemporary of Pheidias[250] and represents his sons as of an age[251] with those of Perikles. Pythokles, the young Elean, of whom he made a statue at Olympia[252] the base of which has been found (see above), was victorious in the pentathlon in 452 B.C.[253] The same year an Olympic victory was won by one Ariston,[254] probably identical with Aristion the boxer of Epidauros, whose statue Polykleitos made at Olympia[255]

Date

---

[239] Pliny, *N.H.* XXXIV. 82.

[240] *Ibid.*

[241] Pausanias IX. 30. 1.

[242] Pausanias I. 40. 2.

[243] Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. A, Nos. I–II.

[244] IX. 30. 1.

[245] Loewy, *Inschriften*, No. 91.

[246] *Protag.* 311 C.

[247] III. 18. 7 and VI. 6. 2. See also *Anthol. Gr.* II. 185. 5.

[248] *N.H.* XXXIV. 55.

[249] Pliny, *N.H.* XXXIV. 55. Some doubt the chronological possibility of this; but Ageladas' dates are uncertain.

[250] *Protag.* 311 C.

[251] *Op. cit.*, 328 C.

[252] Pausanias VI. 7. 10.

[253] Grenfell and Hunt, *Oxyrhynchus Papyri*, II, p. 90, col. II, line 14.

[254] *Ibid.*, p. 90, line 16.

[255] Pausanias VI. 13. 6.

and the base of which was found there.[256] The apparently later date of the inscriptions,[257] especially in the case of that of Aristion, which led to the former assignment of the statues to the younger Polykleitos, can be explained by the supposition that the original ones became defaced and were later replaced. Polykleitos' statue of Kyniskos may be assigned by its inscription to 450–440.[258] The chryselephantine Hera of Argos must have been made shortly after the fire which destroyed the old Heraion in the 89th Olympiad, *c.* 422;[259] hence Pliny's[260] date for Polykleitos as the 90th Olympiad, *c.* 420. Pausanias[261] mentions Polykleitos as making an Aphrodite as a support of a tripod "dedicated from the spoils of the victory at Aigospotamoi" (405). If he (and not the younger Polykleitos) was really at work on this monument[262] it must have been one of his latest products; and his activity then ranges from 452 or earlier to the end of the century.

WORKS

The Doryphoros

For our estimate of Polykleitos there is no original statue extant; but several of his famous works have been recognized in Roman copies and from them we can derive a glimpse of this great personality. Pliny[263] describes one of Polykleitos' works as "a boy of manly form bearing a lance, called 'the Canon' by artists, who draw from it the rudiments of art as from a code (so that Polykleitos is held to be the only man who has embodied art itself in a work of art)." This together with Pliny's statements[264] that a characteristic of Polykleitos' statues is "the way they step forward with one leg" and that Varro thought that "they are squarely built and seem almost to be made on a uniform pattern," have enabled archaeologists to identify a type preserved in several replicas as Polykleitos' famous statue. It is also significant that a fourth-century Greek stele found at Argos shows a youth in the attitude of the Doryphoros[265] (fig. 649). The best copy in the round was found in Pompeii and is now in the Naples Museum[266] (fig. 645). A broad-shouldered youth is represented in a walking attitude, his weight mostly on his right leg, his left placed sidewise and backward; with the left hand he grasps a lance, the right arm is lowered. He has a flat, long skull with hair arranged in superimposed, flat ringlets, following closely the contour of the skull (figs. 646, 647,[267] 648[268]). In spite of the hardness and mechanical character of the Roman copies, we can sense from them some of the beauty of proportion for which the original was famous. There is a harmony of line, a poise and relaxation in the attitude never before attained in the history of Greek sculpture. This is largely due to the new scheme in which the arm which hangs loosely down is on the side of the supporting leg, while the arm which is bent and holds an attribute is on the side of the relaxed leg; it is a reversal of the older scheme and makes for greater harmony by distributing the muscular action between the two sides of the body.[269] Moreover, the modeling shows a complete understanding of the human body. Every detail is accurately rendered and even veins are indicated. In other words the long struggles in the representation of the standing human figure here find their consummation. Henceforth this subject could be treated differently but not more perfectly. The original seems to have played an important rôle. We are told that Lysippos regarded it as his master,[270] and that sculptors in general took it as their model.[271] It evidently not only marked an epoch when it was created but long held its own as a great achievement.

---

[256] Loewy, *Inschriften,* No. 92.

[257] Cf. *ibid.,* Nos. 91, 92.

[258] *Ibid.,* No. 50.

[259] Thucydides IV. 133. The new building was started immediately by Eupolemos, cf. Pausanias II. 17. 3.

[260] *N.H.* XXXIV. 49.

[261] III. 18. 8.

[262] Cf. Furtwängler, *Masterpieces,* p. 224.

[263] *N.H.* XXXIV. 55; cf. Stuart Jones, *ad loc.*

[264] *N.H.* XXXIV. 56.

[265] *Ath. Mitt.,* 1878, pl. XIII; in the National Museum, Athens, No. 3153.

[266] Ruesch, *Guida del Museo Nazionale di Napoli,* No. 146 (6011); for a list of the other replicas, cf. Furtwängler, *op. cit.,* pp. 228–229; also Neugebauer, *Berliner Museen,* XLVIII, 1927, 2, pp. 1 ff.

That Polykleitos wrote a book on proportion and embodied his system in this statue is of course of great interest—especially to us today who have begun to appreciate again the value of design. It confirms what we know from other sources, that the Greeks found the problems of composition absorbing. Unfortunately it is difficult to recover Polykleitos' original scheme from the Roman copies—which might so easily be inaccurate in detail. We know only that it was an interrelation of parts; since Galen[272] tells us that "Chrysippos holds beauty to consist in the proportions not of the elements but of the parts, that is to say, of finger to finger and of all the fingers to the palm and wrist, and of these to the forearm, and of

[267] Shear, *A.J.A.*, 1926, p. 462.

[268] Comparetti and de Petra, *La Villa ercolanese*, pl. VIII, 3.

[269] Cf. Furtwängler, *Masterpieces*, pp. 226–227.

[270] Cicero, *Brut.* 86. 296.

[271] Quintilian, *Inst. orat.* V. 12. 21.

[272] *De plac. Hipp. et Plat.* 5.

the forearm to the upper arm, and of all the parts to each other, as they are set forth in the Canon of Polykleitos." And this interrelation cannot have been purely arithmetical, as Vitruvius proposes, for that has been shown not to fit. It is more likely from what we know so far of Greek design that the scheme was geometrical[273] and that it is the subtle interrelation of volumes that gives us delight also now.

Diadoumenos

Pliny[274] lists as another work of Polykleitos "a youth with boyish form binding his hair, famous for its price, 100 talents."[275] By a comparison with the Doryphoros it has been possible to identify a type preserved in a number of replicas as reproducing this statue (cf. figs. 650–652). A youth is represented raising his arm to bind a fillet round his head. The attitude of the body, the clear demarcation of the various planes formed by the muscles, the rather shallow pelvic curve, and the square, broad-shouldered build are the same as in the Doryphoros. But by certain, perhaps slight, modifications a feeling of greater freedom is produced. The raising of the arms, the marked inclination of the head to one side, introduce more variety in the upper part of the figure and give it added interest. Moreover, the left leg is placed more sidewise and this increases the animation of the pose. The treatment of the head also shows considerable advance. There is more variation in the modeling of the face, the lower part is softer and the hair is more plastic. Clearly the Diadoumenos is a later work than the Doryphoros, dating probably from about 420, while the Doryphoros may be placed at about 450. We are fortunate in having several good copies which can more adequately reflect the qualities of the original than was possible in the case of the Doryphoros. The best full-size replica was found at Delos (fig. 650) and is now in the National Museum in Athens.[276] Another excellent copy is in Madrid.[277] The statues from Vaison in the British Museum,[278] and in Turin, are not of the same calibre; but fine heads are preserved in Dresden[279] and Cassel,[280] a beautiful terracotta statuette of Greek workmanship is now exhibited in the Louvre[281] (figs. 651, 652), and there are a number of other copies.[282]

---

[273] Cf. p. 117.

[274] *N.H.* XXXIV. 55.

[275] Paid, of course, in Roman, not in Greek times; just as we may now pay for a Titian a sum which is over and beyond anything the artist received in his lifetime.

[276] No. 1826; cf. *Monuments Piot,* III, 1896, pp. 137 f., pls. XIV–XV.

[277] Furtwängler, *Masterpieces,* fig. 98.

[278] Smith, *Catalogue,* I, No. 500.

[279] Furtwängler, *op. cit.,* pls. X and XII.

[280] Conze, *Beiträge,* pl. II.

[281] *J.H.S.,* 1885, pl. 61.

[282] Cf. Furtwängler, *op. cit.,* pp. 239 ff.; Lugli, *Not. Scav.,* 1918, p. 28, note 1.

The original evidently enjoyed great popularity. And small wonder. From the point of view of composition it is unquestionably one of the most rhythmical creations of antiquity, retaining the sturdiness of the earlier age but with an added harmony. That Polykleitos could advance from the Doryphoros to the Diadoumenos shows that he, like Pheidias, was capable of great development. And that he improved in composition after he had produced his great "Canon" indicates his continued interest in and feeling for design. The other quality which we hear was characteristic of Polykleitos—his high finish—can also be appreciated in the best copies of the Diadoumenos. The treatment of the curls, especially, with their wealth of detail (and in the original bronze they would be of course much crisper) reminds us of Plutarch's[283] remark that "Polykleitos said that the work was most difficult when the clay came under the nail." It was evidently the last finishing touches in which Polykleitos delighted.

Hera Polykleitos' most important work was considered to be his temple statue of Hera in the Heraion near Argos. It is described by Pausanias:[284] "The image of Hera is colossal in size, seated upon a throne: it is made of gold and ivory, and is the work of Polykleitos; on her head is a crown adorned with Graces and Seasons; in one hand she holds the fruit of the pomegranate, in the other a scepter. They say that a cuckoo is perched on the scepter." The statue is compared by writers with the gold and ivory Zeus by Pheidias. Strabo[285] considers Polykleitos' work the more beautiful in workmanship (*τέχνῃ*), but second in magnificence (*πολυτελείᾳ*) and size to the Zeus. When the Heraion was excavated in 1892 the base of the statue was discovered,[286] and fragments of the metopes[287] and pediment sculptures were found; but no piece of the statue appeared. Our only means of visualizing it now is by the beautiful head of Hera which makes its appearance on the coins of Argos (fig. 653) at about the period of the statue,[288] and by the representations of a seated goddess on Argive coins of the Roman period[289] (fig. 654) answering closely to Pausanias' description. Even in these little reliefs we can sense the harmony of the composition. It differs from the Zeus by Pheidias in several important features. In the Hera there are no side-rails to the throne, the arms of the figure are extended more sidewise, the sceptre is grasped higher, and the legs are placed farther forward than in the Zeus. By these changes a greater sense of freedom is obtained. All tension has disappeared and we have a rhythmical design comparable to that of the Diadoumenos. But at the same time—compared with the creation of Pheidias—there is an impairment of dignity. We can understand Quintilian's[290] criticism—that while Polykleitos' works excelled all others in finish (*diligentia*) and grace (*decor*), they lacked the grandeur (*pondus*) of the products of Pheidias and Alkamenes.

---

[283] *Quaest. Conv.* II. 3. 2.

[284] II. 17. 4.

[285] VIII. 372.

[286] Waldstein, *Argive Heraeum.*

[287] Described by Pausanias II. 17. 3.

[288] Cf. Head, *Historia numorum,* p. 438, fig. 240. The stephanos has a decoration of palmettes and scrolls instead of the Graces and Seasons described by Pausanias—a natural simplification when the scale was so much reduced.

[289] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. I, Nos. XII–XV, p. 34.

The Amazon

In Pliny's story of the competition in statues of Amazons (see p. 227) the one by Polykleitos was placed first, while Pheidias' came second. Of the types of Amazons preserved to us in Roman copies we have seen that the Mattei one has on good grounds been assigned to Pheidias (see pp. 227 f.). That leaves the Berlin and Capitoline types to be divided between Polykleitos and Kresilas (cf. p. 234), and of these the former appears more distinctly Polykleitan[291] (fig. 655). An Amazon is represented leaning on a pillar, her right hand resting on her head. Beneath her left breast is a wound, but her pain is suggested merely by a certain lassitude in the pose. A comparison with the Doryphoros and the Diadoumenos brings out a close kinship—not only in the features and the hair (fig. 656) but above all in the general conception and the pose with the identical stance of the legs and the same fine curve of the body. Here too the chief interest of the sculptor was clearly to create a rhythmical scheme attained by counterpoise: the right leg and left arm balance each other as upright supporting members, the right arm and left leg as curving supports at rest. The resulting harmony is what we have learned was the distinguishing quality of Polykleitos' work, and what moreover is conspicuously absent in the rather straight design of the Capitoline Amazon which we have assigned to Kresilas (p. 234). The graceful chiton on the Berlin Amazon with its meticulous folds—which would show up particularly well in the bronze original—is also in line with what we are told of Polykleitos' love of high finish. The many replicas of this type of Amazon show how much admired it was. The specimen in Berlin[292] and that from the Lansdowne Collection[293] are the best preserved (in the latter, part of the marble pillar is original).[294] The bronze statuette in Florence[295] is interesting since it is in the same material as the original probably was; but it is not nearly so carefully worked as the Berlin statue and both arms are restored.

---

[290] *Inst. orat.* XII. 10 (7).

[291] For differing views, cf. references cited on p. 172, note 4.

Kyniskos

It is possible that we possess a copy of Polykleitos' Kyniskos[296] in the so-called Westmacott Athlete,[297] the statue of a boy placing a wreath on his head (fig. 658). The type is preserved in many replicas, a mark of its popularity. It shows Polykleitan affinities in the pose with one leg placed backward and sidewise, in the modeling of the body with its well-developed pelvic bones, in the hair with its clinging strands. The attitude corresponds to the footmarks on the base of Kyniskos found at Olympia.[298] The inscription on this base can be dated about 450–440, and this is also the period in which the Westmacott Athlete must stylistically be placed. So that the evidence, while not at all conclusive,[299] favors the identification.

Other Works

Polykleitos' gifts of exquisite finish and harmonious composition naturally marked him out as a sculptor of athletes, and we know of a number of Olympic victors whom he portrayed—Aristion of Epidauros,[300] Thersilochos of Korkyra,[301] Antipatros of Miletos,[302] Pythokles of Elis,[303] and Xenokles of Mainalos,[304] mostly young boys victorious in boxing and wrestling. Though we could play at the fascinating game of connecting preserved statues with these names, such a pastime is not within our province, since the evidence for any identification is too slight.[305] But we can form some idea of the winning grace and finish which doubtless were the chief characteristics of these statues from the Idolino in Florence (figs. 43, 44), a late fifth-century work of this type.

---

[292] *Beschreibung der antiken Skulpturen,* No. 7.

[293] Furtwängler, *Masterpieces,* pl. VIII and fig. 55.

[294] For a list of other copies, cf. Michaelis, *Jahrbuch,* 1886, I, pp. 14 ff.

[295] Milani, *Il Museo archeologico di Firenze,* pl. CXXXVI, 2.

[296] Cf. Pausanias VI. 4. 11: "The statue of Kyniskos, the boy boxer from Mantineia, is by Polykleitos."

[297] Smith, *Catalogue of Greek Sculpture in the British Museum,* III, No. 1754.

[298] Loewy, *Inschriften,* No. 50, gives a facsimile.

[299] There are other "Polykleitan" figures with feet placed like the Kyniskos.

[300] Pausanias VI. 13. 6; Loewy, *op. cit.,* 92; Grenfell and Hunt, *The Oxyrhynchus Papyri,* II, p. 94, line 16.

[301] Pausanias VI. 13. 6.

[302] Pausanias VI. 2. 6.

[303] Pausanias VI. 7. 10; Loewy, *op. cit.,* 91; Grenfell and Hunt, *op. cit.,* II, p. 90, line 14.

[304] Pausanias VI. 9. 2; Loewy, *op. cit.,* 90.

[305] For such efforts, cf. Furtwängler, *op. cit.,* pp. 257 ff.

The other works attributed to Polykleitos by Pliny[306] are also unfortunately mere names: a man scraping himself, a nude figure hurling a javelin, two boys playing with knuckle-bones, "considered by many to be the most faultless work of sculpture," a Hermes, a Herakles, a captain putting on his armor, and a portrait of Artemon, called the Man in the Litter.[307] We also hear of two bronze Kanephoroi, "not large in size . . ., of maidenly aspect and garb, who with uplifted arms were carrying on their heads certain sacred objects according to the custom of Athenian girls,"[308] and an Aphrodite at Amyklai.[309]

Most of these works, if not all, were probably of bronze, since Polykleitos is said "to have brought the bronze-caster's art to perfection,"[310] and that material doubtless suited his highly finished style the best. Also his novel compositions with extended and raised arms would be more successful in bronze, which needed no supports. But like other Greek sculptors Polykleitos must have been many-sided and eager to try his hand in different mediums. We know that his Hera at Argos was of gold and ivory, and there is no reason to doubt his authorship of the Zeus Meilichios at Argos[311] and the group of Apollo, Leto, and Artemis on Mount Lykone[312] purely because they were of marble.[313]

Style

While Pheidias consummated the idealistic trend in Greek sculpture and became its chief exponent, Polykleitos perfected the athletic conception—manly, harmonious, reverent. He did not rise to the same heights of conception as Pheidias, but he attained perfection in the humbler task he had set himself. In the words of Pliny, "he may be said to have perfected sculpture as Pheidias revealed it,"[314] or as Quintilian puts it, "he made the human form more beautiful than it is but he failed to convey the majesty (*auctoritatem*) of the gods."[315] And his virile creations had an abiding influence on the art of his country.

---

[306] *N.H.* XXXIV. 55.

[307] An engineer employed by Perikles at the siege of Samos, 440 B.C.; being lame he was carried about in a litter.

[308] Cicero, *In Verrem* IV. 3. 5, and Symmachos, *Epist.* I. 23.

[309] Pausanias III. 18. 7.

[310] Pliny, *N.H.* XXXIV. 55.

[311] Pausanias II. 20. 1.

[312] Pausanias II. 24. 5.

[313] Cf. Stuart Jones, *Selected Passages*, notes on 165, 166.

[314] *N.H.* XXXIV. 56: "Judicatur . . . toreuticen sic erudisse ut Phidias aperuisse."

[315] *Inst. orat.* XII. 10. 7.

(*i*) *Followers of Polykleitos*

Of Polykleitos' immediate followers we know little.[316] A few names have been handed down, such as Patrokles[317] and his sons Naukydes,[318] Daidalos,[319] and the younger Polykleitos.[320] Pliny and Pausanias[321] list some of their works. The subjects of most of them appear to have been figures of athletes, as we should expect from followers of Polykleitos; but we also hear occasionally of statues of deities and of larger groups, for instance, the bronze monument of gods and Spartan heroes dedicated by the Spartans after Aigospotamoi (404 B.C.). No identifications with extant statues or reliefs are, however, possible; except the little Hebe standing beside Polykleitos' Hera, which appears on Argive coins[322] of the second century A.D. (fig. 657). According to Pausanias[323] this statue was of ivory and gold and was the work of Naukydes. She is an attractive little figure in a belted chiton, with right arm lowered, the left extended toward the Hera. The quiet lines of the drapery are in keeping with the simple pose. She is evidently conceived as a subsidiary figure so as not to detract from the interest of the chief composition.

To form some idea of the larger groups of this school we may study the sculptural remains of the Heraion of Argos (fragments of the metopes and the pediments[324]). Here we find figures, often in violent action, in which the types of faces (cf. fig. 165) and the rendering of the drapery show marked Attic influence. Evidently not even the self-contained Peloponnesians could remain untouched by the achievements of Pheidias and his followers.

The wealth of artistic talent in Greece at this period can be gauged by the large number of distinguished artists whom we know only by name or perhaps by the mention of some of their works.[325]

---

[316] For a full discussion of the available evidence, cf. Johnson, *Lysippos,* pp. 4 ff.

[317] Pliny, *N.H.* XXXIV. 50. 91; Pausanias X. 9. 10.

[318] Loewy, *Inschriften,* Nos. 86, 87; Naukydes must have been the eldest, for he made two statues of Cheimon (Pausanias VI. 9. 3), who won a victory in 448 B.C. (Grenfell and Hunt, *The Oxyrhynchus Papyri,* II, 95, 28).

[319] Loewy, *op. cit.,* No. 88.

[320] Pausanias II. 22. 7 and VI. 6. 2. For the latest discussion of the troublesome question of which works should be ascribed to the younger Polykleitos instead of his more famous predecessor, cf. Johnson, *op. cit.,* pp. 22 ff.

[321] Cf. Overbeck, *Schriftquellen,* 986 ff.

[322] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. I, No. XV, p. 34.

[323] II. 17. 5.

[324] Cf. Waldstein, *Argive Heraeum,* I, pls. XXX ff.; Eichler, *Oest. Jahresh.,* 1919, pp. 15 ff.

[325] Cf. Overbeck, *op. cit.,* 844–850 (Kolotes), 853–869 (Thrasymedes, Theo-

That, for instance, one Telephanes of Phokis should have been put on a footing of equality with Polykleitos, Myron, and Pythagoras,[326] and that we know nothing further of him except that his Larisa, his portrait of Spintharos, and his Apollo evoked admiration,[327] make us realize the extent of our loss.

---

kosmos, Praxias, Androsthenes, Lykios, Styppax), 897–928 (Demetrios, Pyrrhos, Sokrates the philosopher, Nikeratos, Pyromachos, Deinomenes, Kleiton), 1020–1041 (Apellas, Nikodamos, Kleoitas and Aristokles, Kallikles, Sostratos, Patrokles).

[326] Pliny, *N.H.* XXXIV. 68.

[327] *Ibid.*

CHAPTER IV

FOURTH CENTURY B.C.

(a) *Kephisodotos*

ORIGIN AND DATE

WITH Kephisodotos we pass to the next great period in the history of Greek art, the fourth century B.C. There were two sculptors by the name of Kephisodotos, both Athenians, one placed by Pliny[1] in the 102d Olympiad or 372 B.C., the other in the 121st Olympiad or 296 B.C. Since the latter was a son of Praxiteles, it is possible that the older one was Praxiteles' father or perhaps his elder brother; for the same name runs in families in alternate or, more rarely, in successive generations. It is the elder Kephisodotos that here concerns us. Pliny's date is borne out by Plutarch's[2] statement that he was the brother-in-law of Phokion (402–317).

WORKS
Eirene

Kephisodotos is known to us by copies of one of his works, "Peace bearing the child Wealth in her arms," which he is said to have made for the Athenians.[3] This group stood on the Areopagos[4] and was erected probably soon after Timotheos' victory over the Spartans (375), when we know that a cult of Eirene was introduced at Athens.[5] It has been identified with groups corresponding to Pausanias' description which appear on Roman coins of Athens[6] (fig. 661) and in several marble replicas. Of the latter the best preserved is in Munich[7] (fig. 659); another replica, headless and armless but of good workmanship, is in New York[8] (fig. 660); two others, considerably restored, in the Museo Torlonia;[9] and children from two other replicas, both with heads unbroken, are in Athens[10] and Dresden[11] (figs. 662, 663). The relief on the coins gives the complete composition. A woman wearing a voluminous Doric chiton is standing, sceptre in hand, holding a child and a cornucopia. The conception of Wealth in the arms of Peace is in line with the more analytical temper of the fourth century as compared with the fifth. The intimate personal relation between the woman and the child, suggested by the inclination of her head toward him, the tender expression in her face, and the playful attitude of the child, are likewise signs of the new age. Kephisodotos is indeed the true precursor of Praxiteles. We need only compare Praxiteles' Hermes (fig. 664) with this group of Eirene to note how much the later sculptor learned from his predecessor. And it is not only in a new intimacy and gentleness that Kephisodotos heralds a new style, but also in the rendering of the drapery. This has been generally interpreted as a reversion to an earlier treatment;[12] and in the general scheme it certainly is so. But its resemblance to fifth-century models is only superficial. In the development of the rendering of drapery which we have sketched above (cf. p. 105) the Eirene takes its natural place in the fourth century. For, though the garment is massive and the folds have a general downward tendency, there is not the real simplicity of the middle of the fifth century; the folds are more complicated and there is more variety in direction. Nor is there the transparency of the later fifth-century drapery, but rather the denseness and naturalism characteristic of the fourth. If we compare the rendering with that on a figure of the Ephesos drum (fig. 328) dated *c.* 355–330 we shall realize that the Eirene is no isolated phenomenon in the fourth century.[13]

---

[1] *N.H.* XXXIV. 50.
[2] *Phokion* 19.
[3] Pausanias IX. 16. 1.
[4] Pausanias I. 8. 2.

[5] Cornelius Nepos, *Timotheos* XIII. 2: "So great was the joy of the Athenians at this victory that they first made public altars to Eirene and ordained a feast for the goddess." Plutarch, *Kimon* 13. 487, speaks of honors to Eirene in celebration of the treaty initiated by Kallias, 371 B.C. It should be remembered, however, that Aristophanes, *Peace* 1020, speaks of an altar to Peace as early as 421 B.C.

[6] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. DD, Nos. IX–X.

[7] Furtwängler, *Beschreibung der Glyptothek,* No. 219. The right arm is modern, the child's head is ancient but does not belong to the statue.

[8] Metropolitan Museum, *Handbook* (1930), pp. 264–265.

[9] *Museo Torlonia di sculture antiche,* Nos. 240, 290, pls. LXI, LXXIII.

Other Works

Besides the Eirene we are told that Kephisodotos made "a remarkable statue of Athena in the harbor of Athens, and an altar in the temple of Zeus the Saviour,"[14] a group of Muses,[15] a Hermes caring for the infant Dionysos,[16] and an orator with uplifted arm.[17] But of these we know nothing further. Our estimate of Kephisodotos must therefore rest solely on the Eirene. By it we can recognize him as a worthy precursor of Praxiteles, suggesting in many ways the chief directions in which fourth-century sculpture was to travel, without as yet achieving the consummate grace of the later productions.

---

[10] Kastriotes, Γλυπτὰ τοῦ Ἐθνικοῦ Μουσείου, No. 175. The marble is Italian and the antiquity of the figure has therefore been doubted.

[11] Herrmann, *Antike Originalbildwerke zu Dresden* (1925), No. 107.

[12] Furtwängler (*Masterpieces*, p. 296) would even assign political reasons for it, but later he recognized its essentially fourth-century quality; cf. his *Originalstatuen in Venedig*, p. 308.

[13] Compare also the torsos in Venice (Furtwängler, *Originalstatuen in Venedig*, pl. V [our fig. 329] and pl. VII, 3) already connected with the Eirene by Furtwängler.

[14] Pliny, *N.H.* XXXIV. 74.

[15] Pausanias IX. 30. 1.

(b) *Praxiteles*

ORIGIN AND DATE

On a rectangular base from Leuktra which once supported a portrait statue is the inscription, "Praxiteles the Athenian made it."[18] Its date is about 330 B.C. Pliny[19] assigns Praxiteles to the 104th Olympiad (364). These are the only definite dates we have except the doubtful statement of Vitruvius[20] that Praxiteles was employed on the Mausoleum (soon after 351) and of Strabo[21] that he made an altar for the temple of Artemis at Ephesos after the fire of 356. His career perhaps extended from about 370 to 330.

WORKS

Hermes

With Praxiteles we are in the happy position of being able to judge his style by an original statue. On May 8, 1877, there was found in the Heraion at Olympia a marble Hermes[22] (figs. 170, 444, 664, 665), which was immediately identified as a work by Praxiteles from the casual but precious words of Pausanias:[23] "In later times other offerings were dedicated in the Heraion. Amongst these was a Hermes of marble bearing the infant Dionysos, the work of Praxiteles." This is the only original statue by a known Greek sculptor of the first rank which has survived.[24] It was by no means Praxiteles' masterpiece; except for Pausanias, ancient writers pass it over in silence. But to us it is a revelation. In beauty and finish of modeling it so far surpasses the Roman copies by which we mostly have to form our conceptions of Greek artists that it supplies us with a new standard, and helps us to transform in our imagination the other works which have survived only in inferior replicas. The condition is fortunately good. Only the right forearm and the two legs below the knee are missing (one sandaled foot is preserved [fig. 667]); and both arms of the child.

---

[16] Pliny, *N.H.* XXXIV. 87. Perhaps this composition is reproduced in the bronze statuette in the Louvre (Walston, *Alcamenes*, p. 198, fig. 178).

[17] Pliny, *loc. cit.*

[18] Loewy, *Inschriften*, No. 76.

[19] *N.H.* XXXIV. 50.

[20] VII. *Praef.* 12.

[21] XIV. 641.

[22] Treu, *Olympia*, III, pls. XLIX–LIII.

[23] V. 17. 3.

[24] Blümel, *Griechische Bildhauerarbeit* (1927), pp. 37 ff., has made an attempt to show that it is not an original work but a copy. For an answer to his arguments cf. my review in *A.J.A.*, 1929, pp. 334 ff.

The composition of the Hermes is foreshadowed by the Eirene of Kephisodotos (p. 255); but the design is greatly softened and made more gracious. Young Hermes standing in an easy, relaxed attitude turns to the child Dionysos whom he supports on his left arm; the child is stretching out its arm for the bunch of grapes he held in his right hand. Though the hand in the Olympia statue is missing, this feature is supplied by adaptations on Pompeian paintings (cf., e.g., the example in the Metropolitan Museum; fig. 666).[25] The intimate personal note in the conception, the relaxed attitude of the figure with its lovely curve, the gentle, dreamy expression of the face, the infinitely variegated and yet not sharply contrasted modeling, all help to create an impression of sensuous loveliness; and we delight in its exquisite appeal. Nevertheless we feel that the horizon has changed. We are in a more personal, less lofty atmosphere; what we have gained in grace we have lost in greatness. And this is a sign of the times. Just as Myron and Pheidias and Polykleitos represented the fifth-century outlook and embodied its conceptions, so Praxiteles reflects the fourth-century spirit and creates an art characteristic of it. For every artist, however great his creative genius, is inevitably a child of his age. The greatest work he can produce must be a spiritualization, so to speak, of the concepts and feelings of his time. And so the art of Praxiteles with its tenderness and charm sums up for us at its best the new outlook in Greece, in which the old impersonal views have given place to a more individualistic, analytical relation.

Aphrodite of Knidos

The most famous work of Praxiteles was the Aphrodite of Knidos.[26] Pliny[27] gives an eloquent account of her popularity: "The Aphrodite, to see which many have sailed to Knidos, is the finest statue not only by Praxiteles but in the whole world. He had made and was offering for sale two figures of Aphrodite, one whose form was draped, and which was therefore preferred by the people of Kos, to whom the choice of either figure was offered at the same price, as the more chaste and severe, while the other which they rejected was bought by the Knidians, and became immeasurably more celebrated. King Nikomedes[28] wished to buy it from the Knidians, and offered to discharge the whole debt[29] of the city, which was enormous; but they preferred to undergo the worst, and justly so, for by that statue Praxiteles made Knidos famous. The shrine which contains it is quite open, so that the image, made, as is believed, under the direct inspiration of the goddess, can be seen from all sides; and from all sides it is equally admired. There are in Knidos other statues by artists of the first rank . . . and there is no greater testimony to the Aphrodite of Praxiteles than the fact that amongst all these it is the only one thought worthy of mention." Lucian was evidently a great admirer of the statue. He calls it the most beautiful of Praxiteles' works[30] and borrows its head for his Panthea:[31] "The hair and forehead and the finely penciled eyebrows he will allow her to keep as Praxiteles made them, and in the melting gaze of the eyes with their bright and joyous expression he will also preserve the spirit of Praxiteles." He further describes her as nude, with one hand held in front of her, and as standing in the midst of her shrine "with a smile playing gently over her parted lips."[32] The material was Parian marble.[33] Phryne and Kratine are said to have served as models (by Athenaios[34] and Clement of Alexandria,[35] respectively). Fortunately we are not dependent on mere descriptions of this celebrated statue; from reproductions of her on Roman coins of Knidos[36] (fig. 672) it has been possible to identify a number of Roman copies.[37] The best known is on view in the Vatican.[38] The head which belongs to another replica of this type has been wrongly attached. It should be turned more to the left side (as indicated on the coins and as preserved in the replicas in the Vatican Magazzini[39] [fig. 670], in Brussels[40] [fig. 669], and in the Glyptothek, Munich;[41] a change which greatly improves the composition [fig.

---

[25] Metropolitan Museum, *Bulletin,* 1913, pp. 178–179; for other related monuments, cf. Treu, *Olympia,* III, text, p. 197, note 2.

[26] Cf. Overbeck, *Schriftquellen,* 1228 ff. The *Anthology* is full of verses singing her praises; cf. Overbeck, *op. cit.,* 1236 ff.

[27] *N.H.* XXXVI. 20.

---

[28] Nikomedes III of Bithynia, 90–74 B.C.

[29] Due to the forced contribution levied by Sulla in 84 B.C.

[30] Εἰκόνες 4.

[31] *Ibid.*, 6.

[32] Ἔρωτες, 13.

[33] *Ibid.*

[34] XIII. 590 f.

[35] *Protrept.* 53.

[36] Gardner, *Types of Greek Coins*, pl. XV, 21.

[37] For a list of full-sized copies, cf. Furtwängler, *Masterpieces*, p. 322, note 3; Michaelis, *J.H.S.*, 1887, pp. 332 ff.

[38] Helbig, *Führer*,^{3} I, No. 310.

[39] Amelung's Vatican Magazzini "finds" are to be published by Kaschnitz-Weinberg in the *Atti della Pontificia Accademia di Archeologia.*

[40] Recently supplied with its missing head discovered in Copenhagen; cf. Blinkenberg, *Illustrated London News*, Jan. 21, 1928, p. 83.

[41] Furtwängler, *Beschreibung der Glyptothek*, No. 258.

668[42]]). The goddess is standing in an exquisitely graceful pose, one hand held in front of her, the other grasping her drapery, which she is letting fall on a water jar. The nude body and the variegated folds of the drapery create an effective contrast, just as they do in the Hermes. The attitude is evidently studied from all sides, for it is equally charming from every view, having been intended as we know for an open shrine. The best replica of the head is from Tralles in the Kaufmann Collection in Berlin[43] (fig. 671). Inferior copy though it be, we can appreciate in it the points specially admired by Lucian—the soft, wavy hair with the triangular forehead, and the melting gaze of the eyes. If to this gentle, harmonious creation we can supply in our imagination the beauty and finish of the modeling of the Hermes, we may understand the great attraction of the original.

The Aphrodite of Knidos made a deep impression on contemporary art, and its influence was felt for many generations. A nude Aphrodite henceforth becomes a favorite subject and more often than not something in the pose and expression harks back to the great prototype. Just as the Pheidian Zeus created for all subsequent time the Greek conception of the chief of the gods, so the Praxitelean Aphrodite was henceforth used consciously or unconsciously as a model for the goddess of Love.

Apollo Sauroktonos

Another work of Praxiteles has been definitely identified in extant copies from a specific description of it by Pliny:[44] "[Praxiteles] also represented Apollo as a boy with an arrow watching a lizard as it creeps up with intent to slay it close at hand; this is known as the σαυροκτόνος or Lizard-Slayer." Since it is listed with the bronze works of Praxiteles, the original must have been of that material. Reproductions of this statue occur on Roman coins of Nikopolis[45] (fig. 673) and in several Roman replicas,[46] the most notable of which are the marble statues in the Louvre[47] and the Vatican[48] (fig.

---

[42] Reconstruction of the Vatican statue with the Kaufmann head.

[43] *Antike Denkmäler,* I, pl. 41, p. 30.

[44] *N.H.* XXXIV. 70.

[45] Pick, *Die antiken Münzen Nordgriechenlands,* I, 1, p. 362, No. 1288, pl. XIV, 34.

[46] For a list of replicas, cf. Overbeck, *Griech. Kunstmythologie,* V, pp. 235 f.; and Klein, *Praxiteles,* pp. 104 ff.

[47] Klein, *op. cit.,* p. 109, fig. 14.

[48] Amelung, *Die Skulpturen des vaticanischen Museums,* II, No. 264. The restorations include the left side of the face, the right eye, the right forearm, the right leg from the middle of the thigh, the left leg from the knee down, part of the trunk with the upper part of the lizard, the plinth.

675) and a bronze statuette in the Villa Albani[49] (fig. 674). The young Apollo is engaged in one of the sports of the boys of that time—and one that has survived to this day in southern Europe—but the action is merely a motive for a singularly graceful pose in which the sinuous "Praxitelean curve" is beautifully utilized. We could not have a lovelier conception of a dreamy young boy in a completely relaxed attitude. But how far we have traveled from the Apollo on the Olympia pediment (cf. fig. 392)! The gods have descended from high Olympos and have become merely charming, serene human beings.

Eros of Parion

The god Eros with his youthful, feminine charm would naturally be a subject which would appeal to Praxiteles, and we hear of several such statues by him. Two of these became world-famous—the Eros of Thespiai and that of Parion. The former was considered by Praxiteles himself as one of his masterpieces;[50] he gave it to Phryne who dedicated it in her native town.[51] Unfortunately no copies of it have been identified. Of the Eros of Parion,[52] however, we gain a faint picture by the little reproductions of it on Roman coins of Parion[53] (fig. 676). He is leaning in characteristic, easy attitude against a draped pillar, his wings spread out behind him, his head turned to his left. The curve of the body is similar to and as pronounced as in the Sauroktonos, the weight being also on the right leg; only the action of the arms is different—the right arm is held forward, while the left arm rests on the pillar.[54] This new conception of Eros as a charming young boy impressed itself on the imagination of the people and became the starting point of the numerous representations of him in fourth-century and Hellenistic art.

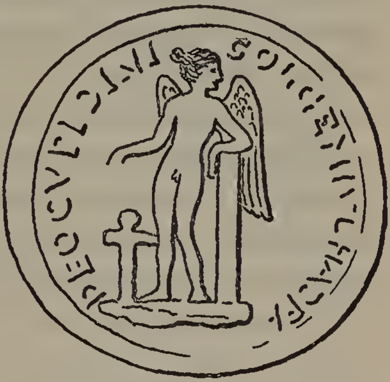


Fig. 676. Eros, on a coin (from a drawing, enlarged)
Staatliche Museen, Berlin

---

[49] Helbig, *Führer*,^{3} II, 1852. The tree and the lizard are restored.

[50] Alciphron, *Epist. fragm.* 3.

[51] It became the chief attraction of that city; for eulogies of it, cf. the references given in Overbeck, *Schriftquellen*, 1249 ff.

[52] Pliny, *N.H.* XXXVI. 23.

[53] Imhoof-Blumer, *Monnaies grecques*, p. 256.

[54] The much restored and poorly worked "Borghese Eros" in the Louvre (Froehner, *Notice*, No. 326; for another replica in Sofia, cf. *Jahrbuch*, 1909, pp. 60 ff., pl. VI) has been thought to be a copy of this famous work; but the pose does not really correspond.

Artemis of Antikyra

Pausanias[55] mentions an Artemis in a temple at Antikyra "the work of Praxiteles; it holds a torch in the right hand and a quiver hangs from the shoulder; beside it on the left is a dog; and it is taller than the tallest woman." Figures of Artemis exactly answering this description—with torch, quiver, and dog—occur on coins of Antikyra[56] (fig. 677). The goddess is stepping lightly forward, an attractive, dainty figure in her short chiton as she sets out ready for the chase. The great goddess Artemis too has been transformed into a charming young girl. That Praxiteles' creation here also influenced subsequent representations is seen by the close resemblance to it of the Artemis of Versailles in the Louvre.[57] The conception and pose are similar; only the attitude of the arms has been changed.

Leto and Chloris

Still another work by Praxiteles is known to us from coin types. Pausanias[58] describes it as follows: "[At Argos] the temple of Leto is not far from the trophy; the image is the work of Praxiteles, and the figure of the maiden standing by the goddess they call Chloris, . . . the daughter of Niobe." A group of a woman and a little maiden clearly copied from this work occurs on Roman coins of Argos[59] (fig. 678). Leto is clothed in an ample chiton, her right hand raised to her shoulder, the left extended over Chloris. It is a quiet composition with much of the stateliness of the preceding period still apparent; so we may surmise that this was an early work of the artist.

Mantineia Base

When Pausanias[60] was at Mantineia he saw there a temple of Leto and her children. He tells us that "Praxiteles made their statues in the third generation after Alkamenes.[61] On the base which supports them are represented the Muses[62] and Marsyas playing the flute." Three slabs from this base were found at Mantineia in 1887[63] and are now in the National Museum in Athens[64] (figs. 679–681). On one is a stately Apollo with his Phrygian slave and Marsyas vigorously playing the flutes; on each of the others are three Muses, charming examples of fourth-century draped figures. It is clear that the Tanagra statuettes of the period were inspired from just such lovely creations. Since the base supported three statues—Leto, Apollo, and Artemis—at least two, perhaps three or even four reliefs occupied the long side, depending on the size of the statues. The remaining three Muses may have been carved on another plaque now lost. Pausanias does not say that the base was the work of Praxiteles, only the statues. To insure a harmonious ensemble he may well have designed the composition, and the dainty charm of the figures is in line with the spirit of his work. Compared, however, with the Hermes, the execution is perfunctory, and there is no need of assuming that Praxiteles actually carried out the work.

---

[55] X. 37. 1.

[56] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. Y, No. XVII, pp. 124 f.

[57] Brunn-Bruckmann, *Denkmäler,* pl. 420.

[58] II. 21. 8.

[59] Imhoof-Blumer and Gardner, *op. cit.,* pl. K, Nos. XXXVI–XXXVIII, p. 38.

[60] VIII. 9. 1.

[61] In spite of this specific dating by Pausanias an attempt has been made (Vollgraff, *B.C.H.,* 1908, pp. 236 ff.) to assign these reliefs to the younger Praxiteles, grandson of the famous sculptor. The evidence, however, appears to me insufficient. Because an inscription at Argos (dated at the end of the fourth century B.C.) speaks of the erection of a temple to Leto and the observance of sacred rites in her honor at the time of Demetrios Poliorketes, this does not imply that there was not an earlier temple to that divinity at the time of Praxiteles; in fact Pausanias (II. 21. 8) expressly mentions that the cult went back to mythical times. And it is a mere supposition to assume that a similar cult was introduced in Mantineia at the same time (i.e., that of Demetrios) and not before. The contention that the reliefs are post-Praxitelean in style (Sieveking-Buschor, *Münchner Jahrbuch,* 1912, p. 125) appears to me also unconvincing. Though it is true that the draperies of the Muses are more complicated than those of the Mourning Women of the sarcophagus from Sidon in

Other Works

These are the only definite landmarks we possess of the work of Praxiteles. All other identifications are based on mere conjecture.[65] There have been many such, as is natural with so famous a sculptor, whose chief works moreover are often referred to by ancient writers. Pausanias[66] for instance tells us of a satyr in the Street of Tripods "of which Praxiteles is said to have been extremely proud" and of which the following story was current: "They say that once when

Satyr

Constantinople (fig. 316), they are certainly not more so than those of Artemisia (fig. 313) or of the figures on the Ephesos drum (fig. 328) (cf., e.g., the Muse holding the lyre with the remarkably similar "Eurydike"), both monuments definitely dated in the middle of the fourth century; nor do they show the dramatic, restless quality of typical Hellenistic renderings. The high girding occurs in the early fourth century on the Delphi Karyatids (fig. 312) as well as on several fourth-century grave reliefs; it cannot therefore be taken as evidence for a Hellenistic date. The quiet poise and serenity of the figures are typically fourth-century rather than early Hellenistic. And though the execution is summary (as would be suitable in a mere "support") I cannot agree that the design is poor. The figures seem to me singularly graceful and self-contained, and the composition harmonious. The wide spacing, moreover, is in line with fourth-century rather than Hellenistic practice (cf. pp. 173 f.).

[62] Pausanias' text reads Μοῦσα, clearly a mistake for Μοῦσαι.

[63] Fougères, *B.C.H.*, XII, 1888, pls. I–III, pp. 105–128.

[64] Nos. 215–217; Svoronos, *Das Athener Nationalmuseum*, pls. XXX, XXXI.

[65] The group of Leto, Apollo, and Artemis, and the Tyche, which occur on coins of Megara (*Numismatic Commentary*, pl. A, Nos. X, XIV) and which have been associated with works by Praxiteles, are not definitely enough Praxitelean in style to render the attribution certain.

[66] I. 20. 1.

Phryne asked for the most beautiful of his works, he lover-like promised to give her it, but would not tell which he thought the most beautiful. So a servant of Phryne ran in declaring that Praxiteles' studio had caught fire, and that most, but not all, of his works had perished. Praxiteles at once ran for the door, protesting that all his labor was lost if the flames had reached the Satyr and Eros. But Phryne bade him stay and be of good cheer, telling him that he had suffered no loss, but had only been entrapped into saying which were the most beautiful of his works." Pliny[67] speaks of the statue as "the celebrated Satyr, called by the Greeks 'the world-famed' [περιβόητον]" and lists it among the bronze works of the artist. A satyr in a relaxed, "Praxitelean" pose represented leaning against a pillar occurs in so many replicas[68] that it clearly goes back to a "world-famed" original. One of the best copies is in the Capitoline Museum (fig. 54), and a fragment of exceptionally good workmanship is in the Louvre. The conjecture is tempting that we have here a reproduction of Praxiteles' work.[69] But there is no specific description of Praxiteles' Satyr to help us, and in the Capitoline type there is a "picturesqueness" alien to the more serene, less self-conscious creations of Praxiteles. The type of the head also differs from that of the Hermes, the Apollo Sauroktonos, and the Knidian Aphrodite. Possibly we have here a later adaptation of Praxiteles' creations which by its very picturesqueness and appropriateness as a garden figure became immensely popular in Roman times.

It has been suggested that the Satyr pouring wine, of which the best replica is in Dresden[70] (figs. 682–684), reproduces Praxiteles' famous statue. It may well go back to a Praxitelean original; for we actually know that he made several satyrs, and it has his gentleness and restraint. But it is clearly an early product before he had reached his maturity, and so is not likely to have ranked as one of his chief works.

The other works attributed to Praxiteles by ancient writers[71] include many deities, nymphs, maenads, and karyatids, a gilded portrait of Phryne at Delphi, and such subjects as Persuasion and Consolation,[72] a Weeping Matron, and a Rejoicing Harlot,[73] in which the more analytical temper of the period and the tendency to represent human emotions would find scope. Athletes or warriors—the stock subject of the former period—are rare. And naturally so. An artist who "with consummate art informed his marble figures with the passions of the soul"[74] would select for himself subtler themes than victorious athletes.

---

[67] *N.H.* XXXIV. 69.

[68] They are listed by Benndorf u. Schoene, *Die Bildwerke des lateranischen Museums,* p. 91, and Furtwängler, *Masterpieces,* p. 329, note 5.

[69] That Praxiteles' περιβόητος may have formed part of a group with a Dionysos (Pliny, *N.H.* XXXIV. 69) is not an argument against the identification, for evidently only the Satyr became so famous and must therefore have been a composition complete in itself.

[70] Furtwängler, *op. cit.,* pp. 310 ff., figs. 131–132; a list of replicas is given by Schreiber, *Villa Ludovisi,* p. 93, revised by Furtwängler, *op. cit.,* p. 310, note 2.

[71] Cf. Overbeck, *Schriftquellen,* 1193 ff.

Pliny[75] in his account of Praxiteles makes the statement: "His works may be seen in Athens in the Kerameikos." May this be interpreted to mean that Praxiteles had many orders for tombstones for the cemetery in the Kerameikos? Perhaps. We know definitely of one memorial he made of a soldier standing by his horse.[76] And certainly a reflection of his style is apparent in many of the gentle farewell scenes of the Athenian stelai.

Style

The genius of Praxiteles may be compared with that of Raphael. Their works are imbued with a serene and sober grace, and appeal by their very radiance and loveliness. The majesty of Pheidias and Masaccio have indeed gone, but the grandeur of the old conceptions is still evident in the purity and restraint of the new creations. Though we have so few works which can be directly associated with Praxiteles, his influence on contemporary art was so great that we see his spirit reflected in many other works. Such charming compositions as the Artemis of Gabii[77] (fig. 686) and the Aphrodite of Arles[78] (fig. 685) must owe their inspiration directly to his work; and heads like the Eubouleus[79] (fig. 512), the Aberdeen Herakles,[80] and the Boston Chios girl[81] (fig. 174), being original fourth-century works,[82] show us the high standard of workmanship attained in products of this style. It is not until a later age that artists inspired by Praxitelean works missed their strength, saw only their softness, and produced somewhat effeminate creations.

---

[72] Pausanias I. 43. 6.

[73] Pliny, *N.H.* XXXIV. 70.

[74] Diod., *Fragm.* XXVI.

[75] *N.H.* XXXVI. 20.

[76] Pausanias I. 2. 3.

[77] Brunn-Bruckmann, *Denkmäler,* 59; identified by some authorities as Praxiteles' Artemis Brauronia.

[78] Collignon, *Histoire de la sculpture grecque,* II, p. 269, fig. 134; by some thought to reproduce Praxiteles' Aphrodite of Thespiai.

[79] Furtwängler, *Masterpieces,* pl. XVI, pp. 330 ff., considers it an original by Praxiteles.

[80] Furtwängler, *op. cit.,* pl. XVIII, pp. 346 f., thinks it an original by Praxiteles.

[81] Caskey, *Catalogue of Sculpture in the Boston Museum,* No. 29.

[82] I have purposely left out here the Leconfield Aphrodite (Furtwängler, *op. cit.,* pl. XVII, pp. 343 ff.), though Furtwängler, *loc. cit.,* also considered it an original by Praxiteles; but since its surface has been damaged in a fire the hardness of its

(c) *The Elder Praxiteles*

There appears to have been an elder Praxiteles; for certain works attributed to a sculptor by that name must be dated in the fifth century B.C. Pausanias[83] refers to statues of Demeter and her daughter and Iacchos standing by the Dipylon Gate of Athens "and on the wall is an inscription in the Attic alphabet stating that they are the work of Praxiteles." The Attic alphabet was superseded by the Ionic one in 403. Pausanias also assigns to Praxiteles a group of Rhea and Kronos "at the entrance of the temple of Hera at Plataia"[84] which was erected in 427–426, and "pediment sculptures made for the Thebans representing most of the Twelve Labours of Herakles."[85] Such subjects appear unusual for the fourth-century Praxiteles. If there was this elder Praxiteles it may be he who supplied the chariot for Kalamis' group (cf. p. 203). Unfortunately we have no further means of picturing to ourselves his style; for we can make no connection with an extant work.

(d) *The Sons of Praxiteles*

Two sons of Praxiteles, Kephisodotos and Timarchos, gained some eminence as sculptors. Pliny[86] says that Kephisodotos was "the heir of his father's talent" and that "much praise has been bestowed on his famous group of interlaced figures at Pergamon where the pressure of the fingers seems to be exerted on flesh rather than marble." We also hear of a number of other works by him and Timarchos, chiefly deities and portraits.[87] A statue of a seated Zeus at Megalopolis[88] may be reproduced on badly preserved Roman coins of Megalopolis.[89] Several statue bases with their names have been found, dating from the late fourth and early third century,[90] one of these of a portrait of Menander (342–291) in the theatre in Athens.[91] It is possible that the busts generally identified as Menan-

---

modeling (e.g., in the neck) has become more apparent, so that it is clear that it is a Roman copy.

[83] I. 2. 4.

[84] IX. 2. 7.

[85] IX. 11. 6.

[86] *N.H.* XXXVI. 24.

[87] Overbeck, *Schriftquellen,* 1331 ff.; Bieber, *Jahrbuch,* 1923–1924, pp. 264 f.

[88] Pausanias VIII. 30. 10.

[89] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. V, No. I.

[90] Loewy, *Inschriften,* Nos. 108–112.

[91] *Ibid.,* No. 108; Pausanias I. 21. 1.

der,[92] of which the best replica is in Boston,[93] reproduce this work. But the safest way to visualize the style of these two sculptors is by the fragments from the sculptures which decorated the altar of Kos,[94] said by Herondas[95] to be by the sons of Praxiteles. They consist of a girl's head (figs. 687, 688), the lower half of a draped female figure (fig. 689), a fragment of a girl's head, the hand of a child, and the foot of a woman. They teach us that the sons carried on their father's traditions and created charming, delicate works, the immediate precursors of the somewhat effeminate renderings of the Hellenistic age. In finish of execution they cannot of course be compared with Praxiteles' Hermes.

(*e*) *Skopas*

Origin and Date

The other great sculptor of this period was Skopas of Paros.[96] Pliny[97] couples him with Polykleitos as having worked (*floruit*) in the 90th Olympiad (420 B.C.), but this must be a mistake; for we know that he worked on the Mausoleum of Halikarnassos soon after 351, on the new temple of Athena Alea at Tegea some time after the destruction of the old building in 394,[98] and on the temple of Artemis at Ephesos which was begun immediately after the fire which burnt down the older structure in 356, but was not yet completed in 334.[99] His activity therefore falls, like that of Praxiteles, wholly within the fourth century. Moreover, elsewhere Pliny[100] himself mentions Skopas as a rival of Praxiteles and of Kephisodotos the Younger (the son of Praxiteles); and the names of Praxiteles and Skopas are often coupled by other writers.[101]

Works

With Skopas we are in the lamentable position of having no work which can be safely attributed to him, and so our whole study of his style must be based on conjecture. There are preserved, however, fragments of sculptures of the buildings on which we know he was engaged, and since stylistically these bear some resemblance to one another we have to build our structure on this uncertain foundation.

---

[92] Bernoulli, *Griechische Ikonographie,* II, p. 113 (identification by Studniczka).

[93] Caskey, *Catalogue of Sculpture in the Boston Museum,* No. 86.

[94] Herzog, *Oest. Jahresh.,* VI, 1903, pp. 218 ff.; Bieber, *Jahrbuch,* 1923–1924, pp. 242 ff., figs. 1–3, pls. VI, VII, 1.

[95] *Mimes* IV. 1 ff.

[96] It has been suggested that he was the son of Aristandros of Paros, who worked on the memorial of Aigospotamoi (405 B.C.).

[97] *N.H.* XXXIV. 49.

[98] The new building was probably not begun until after 386 B.C., which marks the end of the Corinthian war, during which Tegea was allied to Sparta. For a dating to *c.* 370–355 B.C., cf. p. 268.

[99] "Besides, Artemidoros says that Alexander promised to defray the expense of its (the Artemision's) restoration, both what had been and what would be incurred, on condition that the work should be attributed to him in an inscription, but the Ephesians refused to accede to this" (Strabo XIV. 1. 24).

[100] *N.H.* XXXVI. 25.

[101] Cf., e.g., Martial IV. 39. 1; *Carm. Priap.* 9. 2; Apollinaris, *Sidon. Carm.* XXIII. 503.

Sculptures of the Temple of Athena Alea

Pausanias'[102] account of the temple of Athena Alea is long, but not explicit regarding the authorship of the sculptures: "The old temple of Athena Alea at Tegea was built by Aleos; in later times the Tegeans caused a large and remarkable temple to be erected to the goddess. The previous building was suddenly attacked by fire and destroyed in the archonship of Diophantos at Athens and the second year of the 96th Olympiad (395). The temple which is standing at the present day is far superior to the other temples in the Peloponnese in size and magnificence. . . . I was told that the architect was Skopas of Paros, who was the sculptor of many statues in different parts of Greece proper and also in Ionia and Karia. In the front pediment is represented the chase of the Kalydonian boar . . . [then follow the names of the participants, including Atalante, Meleager, Theseus, etc.]. The sculptures of the back pediment represent the battle of Telephos against Achilles in the plain of the Kaïkos. The ancient image of Athena Alea and the tusks of the Kalydonian boar were carried off by the Roman Emperor Augustus. . . . The image . . . stands in Rome . . . made wholly of ivory, the work of Endoios. . . . The present image at Tegea was brought from the township of Manthyrenses. . . . On one side of her stands Asklepios, on the other Hygieia, made of Pentelic marble, works of Skopas the Parian." From this description we know only that Skopas was the architect of the temple and that he made the two statues which stood on each side of the temple image of Athena Alea; not that he worked on the pediment figures, though it is quite possible that he did so. The fragments of these pediments[103] which have been preserved show an individuality of style which presupposes a distinguished artist. The most important are several battered male heads[104] (cf. figs. 690–693), part of a boar,[105] and a female draped body[106] (fig. 696). In the male heads particularly, the square form, the deep-sunk eyes, and the marked projection of the lower part of the forehead are suggestive of force and emotion. We may surmise that they belong to the group of the hunt of the Kalydonian boar, and that their expressions are evoked by the stress of battle. The drapery of the Atalante, though not so soft and transparent as that of the Epidauros figures, has not yet the denseness and realistic quality of the works of the middle of the fourth century, such as the Maussollos and the Artemisia (figs. 313, 314) and the figures of the Ephesian drum (figs. 328, 705). We may, therefore, place the Tegea sculptures midway between the two, that is, about 370–355.[107]

---

[102] VIII. 45. 4; 46. 1.

[103] Dugas, *Le Sanctuaire d'Aléa Athéna à Tégée*, pls. XCVI–CXII.

[104] *Ibid.*, pls. XCIX–CII.

[105] *Ibid.*, pl. CVIII, A 3.

[106] *Ibid.*, pls. XCVI ff., pp. 80 ff. Some have doubted that this figure belonged to the pediments (cf. Thiersch, *Jahrbuch*, 1913, pp. 270–271), but without convincing

The Mausoleum

We know both from Pliny and Vitruvius[108] that Skopas worked on the sculptures of the Mausoleum. Pliny[109] gives an explicit account: "The rivals and contemporaries of Skopas were Bryaxis, Timotheos, and Leochares, who must be treated in a group since they were jointly employed on the sculptures of the Mausoleum. This building is the tomb erected by Artemisia, his widow, for Maussollos, prince of Karia, who died in the second year of the 107th Olympiad [351]. That this work is among the Seven Wonders is due mainly to the above-named artists. . . . The sculptures on the east side are by Skopas, those of the north by Bryaxis, those of the south by

---

reasons. The head, however, once thought to belong to the Atalante, was not part of the temple sculptures; cf. Dugas, *Le Sanctuaire d'Aléa Athéna à Tégée,* pls. CXIII ff., pp. 117 ff.

[107] Such a time agrees well with the recent dating of the temple on architectural grounds: "scarcely before 370–360 B.C." (Schede, *Antikes Traufleisten,* p. 46); about 370 B.C. (Reisch, *Oest. Jahresh.,* 1906, p. 215, note 41); about 365 B.C. (Weickert, *Das lesbische Kymation,* p. 71). Dugas' 360–330 B.C. (*op. cit.,* p. 128) would seem somewhat late.

A stele was found at Tegea in the court of a private house near the temple of Athena Alea inscribed

ΙΕΥΣ
ΑΔΑ ΙΔΡΙΕΥΣ

(*I.G.,* V, 2, 89; Foucart, *Mon. Piot,* XVIII, 1910, p. 146; *J.H.S.,* XXXVI, 1916, p. 65; now in the British Museum.) Ada and Idreus were the sister and brother of Maussollos and Artemisia and began their reign in 351 B.C.; Idreus died in 344. The stele is therefore dated 351–344 B.C. The occurrence of these names at Tegea presupposes relations between Tegea and Karia, perhaps to be accounted for by the fact that Skopas was at work in both places and took workmen from one to the other. But since the name of the dedicator of the stele is missing we cannot know whether he was a Karian who perhaps went with Skopas to work on the Tegean temple after the Mausoleum, or a Tegean who had accompanied Skopas to Karia after the Tegean work was finished and then returned to his native home. Therefore this stele cannot help us in dating the Tegea temple either before or after the Mausoleum, even if we connect the incident with Skopas, which is of course a mere supposition. Cf. also the statue base found at Delphi with the names Ada and Idreus (*B.C.H.,* 1899, p. 384, No. 631).

[108] VII. *Praef.* 12.

[109] *N.H.* XXXVI. 30.

Timotheos, and those of the west by Leochares. The Queen died before the building was complete;[110] but the artists did not abandon the work until it was finished, considering that it would redound to their own glory, and be a standing proof of their genius; and to this day they vie with one another in their handiwork. They were joined by a fifth artist. For above the colonnade is a pyramid equal to the lower structure in height, with a flight of twenty-four steps tapering to a point. On the apex stands a four-horse chariot in marble, the work of Pythis. This addition completes the building, which rises to a height of one hundred and forty feet." The chief sculptural remains of this Mausoleum are now in the British Museum.[111] They consist of three friezes, the chariot group of Maussollos and Artemisia (figs. 313, 314), and statues of lions and other figures, among them a fine equestrian statue. Of the widest frieze, representing the battle of the Greeks and Amazons, there are extant seventeen slabs; they are in more or less good preservation and rank among the most important examples we have of fourth-century sculpture. Is it possible to assign any portion of it to Skopas? The majority of the slabs were found not on the Mausoleum site but in the neighboring castle of Saint Peter, built by the Knights of Saint John in the fifteenth century largely out of the Mausoleum stones; therefore all trace of where they belonged on the building has been lost. But during Sir Charles Newton's excavations four slabs (Nos. 1013–1016) were found "lying in a row along the eastern margin";[112] that is, on the side of the building said to have been decorated by Skopas. Three[113] slabs of these form a continuous composition and stand out among all the rest by their extraordinarily fine quality (figs. 697–699). The impetuous force of each figure, the delicate workmanship, and the rhythmical composition indicate the hand of a master sculptor. The bold poses—the Amazon sitting backward on her galloping horse, the collapsing Amazon, the crouching warrior—and the harmonious composition indicate the hand of a great artist. The assignment of these sculptures to Skopas is therefore tempting and has been quite generally made.[114] And stylistically they bear out what have been provisionally supposed to be the characteristics of Skopas' style—originality, force, and emotion, conveyed not only in the attitudes but in the somewhat deep-set eyes and mobile mouths. Moreover since the style of some of the charioteers of one of the smaller friezes[115] is markedly similar (cf. fig. 700), these too have been ascribed to Skopas.

---

[110] Two years after the death of Maussollos.

[111] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, Nos. 1000 ff.

[112] Newton, *Halicarnassus,* II, 1, p. 100.

[113] The fourth slab is different in style and since it is a single fragment it may well have been transported from another portion of the building.

[114] Cf. Wolters and Sieveking, *Jahrbuch,* XXIV, 1909, pp. 171 ff.; also the fragment 1025. Pfuhl, *Jahrbuch,* 1928, p. 47, would add slab 1022; not, I think, convinc-

Temple of Artemis at Ephesos

The connection of Skopas with the extant sculptures of the temple of Artemis at Ephesos is very problematical. Our only information on the subject is supplied by Pliny.[116] "The length of the whole temple is four hundred and twenty-five feet and the breadth two hundred and twenty-five feet.[117] It contains one hundred and twenty-seven columns, each furnished by a king and sixty feet in height; of these thirty-six are decorated with reliefs, one by Skopas."[118] Only three of the thirty-six decorated columns have survived in any degree of preservation and it is of course not likely that among them should be the work of Skopas. There are nevertheless certain considerations which enable us at least tentatively to associate the best-preserved column with Skopas. The reliefs of this drum[119] (fig. 705), generally interpreted as Alkestis being led to the upper world by Hermes,[120] stand out as the finest of the extant remains, so superior in artistic quality that this may well be due to their execution by a great artist. Moreover, the Thanatos and the Hermes with their deep-set eyes and expressive faces resemble in style the figures on the slabs of the Mausoleum frieze attributed to Skopas (cf. figs. 702, 703); and the modeling of the nude male bodies with its soft transitions and yet clear demarcation of the salient muscles is not unlike. We may compare especially the Ephesos Hermes with the Mausoleum warrior who has fallen on one knee (fig. 701); even the rendering of the hair with its curling, disordered strands is re-

---

ingly, for Sieveking's objections hold: the action there is more tempestuous than in 1013–1015 and the draperies are differently utilized in the compositional scheme. Moreover, Pfuhl's chief evidence for the assignment—that slab 1922 has an unoccupied field at the top similar to those of 1013–1015—seems hardly conclusive. Such empty spaces are conditioned by the action of the figures and appear also on other slabs; on that score 1006, for instance, might become a candidate as a work by Skopas.

[115] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, No. 1036.

[116] *N.H.* XXXIV. 95.

[117] It ranked as one of the seven wonders of the world.

[118] Some skeptical authorities would emend *una a Scopa* to read *imo scapo,* "on the lowest drum"; but it is the reading of the best MS.

[119] Smith, *op. cit.,* II, No. 1206.

[120] For other interpretations, cf. Smith, *op. cit.*

markably similar. At all events the attribution of this drum to Skopas is within the range of possibilities.

Other Works

Aphrodite Pandemos

Apollo Smintheus

Apart from these architectural sculptures there is little that we can assign to Skopas with any confidence. Pausanias[121] saw in the precinct of Aphrodite at Elis "a bronze figure of the goddess seated on a bronze goat . . . called Aphrodite Pandemos" and states that it was the work of Skopas. On Roman coins of Elis[122] occurs a fine figure answering this description, but unfortunately very badly preserved (fig. 704). From this creation by Skopas are probably derived works like the beautiful mirror relief in the Louvre[123] and the sardonyx cameo in Naples.[124] Again Strabo[125] mentions an Apollo Smintheus at Chryse (Alexandria Troas) "and the symbol which preserves the derivation of his name, i.e., the mouse, lies at the foot of the statue." It may possibly be reproduced on coins of this city[126] representing Apollo with one foot raised on a base, bending over, a laurel branch in hand as if playing with an animal (bird or mouse) below (fig. 695). It is a fine rhythmical composition which would accord well with Skopas' style. Another Apollo Smintheus type which appears on coins of this city[127] is too severe in style to be associated with a fourth-century master.

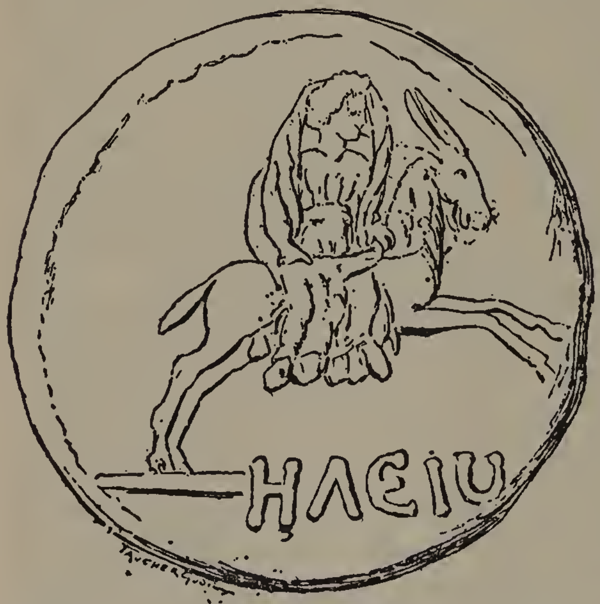


Fig. 704. Aphrodite Pandemos, on a coin (from a drawing, enlarged)

British Museum, London

Pliny[128] lists as one of Skopas' works "the Apollo of the Palatine"[129] and Propertius[130] gives a somewhat rhetorical description of it: "Fairer than Phoebus himself seems to me this marble figure as it sings its song to the silent lyre. . . . The Pythian god himself is standing between his mother and his sister,[131] making music, clothed in a long garment." A group of Apollo, Leto, and Artemis which occurs on a marble base in Sorrento[132] has been thought to reproduce the three statues seen by Propertius; and several statues of Apollo playing the lyre have similarly been associated with Skopas' work[133] (cf., e.g., fig. 706[134]). They can only be somewhat free imitations; for they differ in the positions of the legs and the arrangement of the folds. It is specially tempting to see at least the influence of Skopas' statue in the inspired lyre player which occurs on coins of Nero (fig. 694). The beautiful, swaying attitude and forward movement are just what we should expect in Skopas' creation; but the pose does not correspond with the Apollo of the Sorrento base, nor could the drapery be described as a "long garment."

---

[121] VI. 25. 1.

[122] Imhoof-Blumer and Gardner, *Numismatic Commentary,* pl. P, No. XXIV, pp. 72–73.

[123] Collignon, *Monuments Piot,* 1894, pp. 144 f., pl. XX.

[124] Furtwängler, *Antike Gemmen,* pl. LVII, 22.

[125] XIII. 604.

[126] Overbeck, *Griechische Kunstmythologie,* III, Apollo, Münztafel V, 9, 10.

[127] *Catalogue of the Coins in the British Museum,* vol. V, pl. V, 13.

[128] *N.H.* XXXVI. 25.

[129] Taken there from Rhamnous.

[130] II. 31.

Pliny[135] enumerates several works concerning which it was uncertain whether Skopas or Praxiteles made them: "a group of Niobe's children meeting their death"; "a Janus" (probably a double-faced bust of Hermes); "Eros holding a thunderbolt," said to be in the likeness of Alkibiades. We probably have copies of the group of "Niobe's children" in the famous statues of Niobe and her sons and daughters in the Uffizi[136] and elsewhere. From what we know of the two sculptors Skopas would be the more likely author of the originals, at least if we ascribe to him the Tegea heads. The Florence statues, particularly the Niobe, with the rather square head and deep-set eyes, are more in accord with the Tegea heads than with the radiant Hermes and Knidian Aphrodite. But of course a vague attribution in Roman times to two outstanding Greek sculptors may be due merely to a desire for big names. The execution of most of the Roman copies is mediocre; nevertheless we can see from the composition of some of the statues that a great sculptor must have been the originator.

This sums up what we actually know of Skopas' work; and we must admit it is little indeed. Ancient writers of course mention many other statues and groups by him,[137] made for shrines both in Greece and in Asia Minor. And there have naturally been numerous attempts to recognize in extant statues copies of such works. Thus the Ares Ludovisi[138] has been associated with the "colossal seated figure of Ares" ascribed to Skopas by Pliny;[139] the Maenad in Dresden[140] (fig. 709) with the frenzied Maenad mentioned by Kallistratos;[141] the Herakles of the Lansdowne Collection[142] (fig. 707) with the statue seen by Pausanias[143] in Sikyon. Moreover, many fine figures and heads with deep-set eyes and swelling foreheads—such as the Meleagers in the Fogg Museum[144] in Cambridge, Mass., and in the Villa Medici[145] (fig. 708), and the head from a relief in New York (fig. 171)—have been set down as "Skopasian" works. But these are only guesses based merely on general stylistic considerations; and since our knowledge of the style of Skopas is so uncertain we can make these attributions only with the utmost reserve.

---

[131] The Leto and Artemis were by the younger Kephisodotos and Timotheos, respectively.

[132] Cf. Wolters-Springer, *Handbuch*,[12] fig. 617.

[133] Cf. *Röm. Mitt.*, XV, 1900, pp. 200 ff.

[134] Deonna, *Catalogue des sculptures antiques au Musée d'art et d'histoire en Genève*, No. 61.

[135] *N.H.* XXXVI. 28.

[136] Amelung, *Führer durch die Antiken in Florenz*, Nos. 175 ff.

Faint though our picture is we nevertheless feel in Skopas the contact of a great personality, and one that apparently had a deep influence on the history of Greek art. For just as Praxiteles' subtle, graceful figures were imitated by many later generations, so some of Skopas' vehement creations opened the way for the emotional sculpture of the Hellenistic age.

(*f*) *Timotheos*

DATE
WORKS

TIMOTHEOS took part in two great monuments of the fourth century of which remains are extant—the temple of Asklepios at Epidauros[146] (first quarter of the fourth century B.C.) and the Mau-

---

[137] Cf. Overbeck, *Schriftquellen,* 1151 ff.; a Hekate at Argos, an Asklepios and Hygieia, a Herakles at Sikyon, two Eumenides in Attica (of Parian marble and "not of terrifying aspect," i.e., in the beautifying style of the period), an Apollo at Rhamnous, a Hestia, Kanephoroi, a herm of Hermes, a Maenad, Eros, Himeros, and Pothos at Megara, Athena Pronaia at Thebes, Artemis Eukleia, Aphrodite and Pothos in Samothrake, Leto and Ortygia in Ephesos, Ares and Aphrodite both at Pergamon, a large group of Poseidon, Thetis, Achilles, Nereids, and Tritons in Bithynia; a Dionysos and an Athena at Knidos.

[138] Furtwängler, *Masterpieces,* p. 304; Collignon, *Histoire,* II, fig. 124, p. 247.

[139] *N.H.* XXXVI. 25.

[140] Neugebauer, *Studien über Skopas,* pls. III and IV, pp. 62 ff.

[141] Stat. 2; cf. also *Anthol. Gr.* III. 57. 3 and I. 74. 75.

[142] Wolters-Springer, *Handbuch,*[12] fig. 611, p. 329.

[143] II. 10. 1.

[144] Chase, *Greek and Roman Sculptures in American Collections,* figs. 97 and 101.

[145] Furtwängler, *op. cit.,* p. 304, note 3.

[146] Cf. Cavvadias, *Fouilles d'Épidaure;* and Defrasse and Lechat, *Épidaure.* The sculptures are now in the National Museum in Athens, Nos. 136–174.

Temple of Asklepios at Epidauros

soleum of Halikarnassos[147] (about 350, cf. pp. 269 f.). On the first he must have worked during his youth, on the other in his later years. His share in the sculptures at Epidauros is attested by the building inscription recording the various contracts,[148] in which his name appears with those of several collaborators. The lines referring to Timotheos read: (line 36) *Τιμόθεος ἕλετο*[149] *τύπος*[150] *ἐργάσα[σ]θαι καὶ παρέχεν*[151] ⊟ ⊟ ⊟ ⊟ ⊟ ⊟ ⊟ ⊟ ⊟ *ἔνγυος* Πυθοκλῆς, "Timotheos contracted to make and furnish 'typoi' for 900 drachmas; his security was Pythokles"; (line 90) Τιμόθεος *ἕλ[ετο ἀκρω]τ[ήρ]ια ἐπὶ τὸν ἅτε[ρ]ον αἰετὸν* [X] X ⊟ ⊟ = = *ἔνγυος* Πυθ[οκλῆς], "Timotheos contracted to furnish akroteria on one of the pediments for 2240 drachmas; his security was Pythokles."

The akroteria for the other pediment were contracted for by one Theo . . . (Theotimos or more probably Theon): (line 97) Θέω[. . . *ἕλετο ἀκρωτήρια ἐπὶ*] *τὸν ἅτερον αἰετὸν* XX ⊟ ⊟ [⊟] [=] =, *ἔνγυος* Θεοξενίδα[ς], "Theon contracted to furnish akroteria for the other pediment for 2340 (or 2420) drachmas. His security was Theoxenidas."

The meaning of the word *τύποι* in line 36 is important. It used to be interpreted by archaeologists[152] as signifying models, and so Timotheos was supposed to have furnished the original models of the pediments of the temple or possibly of the whole sculptural decoration, and to have thus been the chief sculptor of the temple. But though the word *τύπος* occurs in Plato in the figurative sense of "the original type" or pattern, when the word is used in connection with sculpture its meaning is regularly slab or relief.[153] In fact *τύπος* never occurs in extant literature with the meaning of concrete model in the field of art. The legitimate word for model in this connection is *παράδειγμα*[154] and it occurs in that sense in this very inscription (line 303): Ἑκτορίδᾳ παρδείχματος λεοντο[κ]εφαλᾶν ἐνκαύσιος —:::, "To Hektoridas for the painting of a model of the lion heads, sixteen drachmas." The view that τύποι are reliefs, not models, is reinforced by the fact that recent researches have shown that the pediment sculptures can be adequately accounted for in the building inscription. If as Ebert[155] and Vallois[156] ingeniously propose we take κερκίς to mean half a gable (and this seems justified since the word is applied to various wedge-shaped objects[157]) and connect line 89: [Ἑ]κτορί[δ]ας ἕλετο κερκίδα τοῦ αἰετοῦ ἐργάσασθαι X ⊟ ⊟ ⊟ ⊟ ⊟ ⊟ —, "Hektoridas contracted to work one wing of the pediment for 1610 drachmas" with line 111 (an entry made in the following year) Ἑκτορίδ[ᾳ] ἐναιετίων τᾶς ἁτέρας κερκιδος X ⊟ ⊟ ⊟ ⊟, "To Hektoridas for the other wing of the pediment sculptures 1400 drachmas" we obtain a total disbursement to this sculptor for one whole pediment—worked and paid for in two successive years—of 3010 drachmas. And this is the identical sum paid to the sculptor of the other pediment (whose name is lost): line 98 [τῷ δεῖνι ἐναι]ε[τ]ίων ἐ[ς] τὸν ἅτερον αἰετὸν [X]XX—, ἔνγυος Θεοξενί[δας], "To . . . for the sculptures of the other pediment 3010 drachmas. His security was Theoxenidas." The argument therefore, which has been advanced, that the sums paid for the pediment are insufficient and that consequently we must fill up a gap in the inscription and ascribe these pediments to several names—who worked under the supervision of and from the models of Timotheos[158]—falls to the ground. If three splendid akroteria carefully finished on every side cost 2240 drachmas, 3010 drachmas is not too little for a compact pediment group which was seen only from one side and need therefore not be worked throughout. As a matter of fact the execution of the pediment figures (cf. figs. 716–718[159]) is perfunctory compared to that of the akroteria (figs. 710–712), and the finest of the extant fragments of these pediment sculptures (fig. 716[160]) is so carelessly worked at the back that the left leg does not even properly connect with the body (fig. 717), a rare feature in Greek art.

---

[147] Smith, *Catalogue of Greek Sculpture in the British Museum,* II, pp. 65 ff.

[148] Cf. Cavvadias, *Fouilles d'Épidaure,* No. 241, pp. 78 ff.; *I.G.,* IV (Argolid), No. 1484.

[149] For *εἵλετο.*

[150] For *τύπους.*

[151] For *παρέχειν.*

[152] First by Foucart, *B.C.H.,* XIV, 1890, 589 ff., and then generally accepted until questioned by Ebert, *Die Fachausdrücke des griechischen Bauhandwerks,* I (*Würzburger Dissertation,* 1910), p. 34; and by Vallois, *B.C.H.,* XXXVI, 1912, pp. 219 ff. For recent views, cf. Lippold, *Jahrbuch,* 1925, pp. 206 ff., and Neugebauer, *Jahrbuch,* 1926, pp. 82 ff. (both for *τύπος* = model), and Richter, *A.J.A.,* 1927, pp. 80 ff., and von Blumenthal, *Hermes,* LXIII, 1928, pp. 391–414 (both for *τύπος* = relief).

[153] Cf. the many references cited by Lippold, *op. cit.;* also Richter and v. Blumenthal, *loc. cit.*

[154] Lippold, *op. cit.,* claims that *παράδειγμα* is merely a model or pattern to serve for a series of copies, as would be the case with waterspouts, architectural ornaments, etc. But it is used by Herodotos V. 62 for the model of a temple. Cf. Richter, *loc. cit.*

---

[155] *Die Fachausdrücke des griech. Bauhandwerks,* I (*Würzburger Diss.,* 1910), p. 34.

[156] *B.C.H.,* 1912, pp. 226 ff. Vallois does not refer to Ebert's publication, so that he must have made the discovery independently.

[157] E.g., the rod used in weaving which had a triangular end, cf. Blümer, *Gewerbe und Künste,* I, p. 146, fig. 18; a wedge-shaped division of the seats in a theater (Alex., Γυναικοκ., 1).

[158] Cf., e.g., Wolters and Sieveking, *Jahrbuch,* 1909, p. 188.

[159] National Museum, Athens, Nos. 136, 138, 146 (146 not certainly from the pediments).

[160] *Ibid.,* No. 136.

To sum up: as the sculptors of the Epidauros temple we have Hektoridas and an artist whose name is lost, for the two pediments; Timotheos and Theo . . ., for the two sets of akroteria; Timotheos, for reliefs of unknown purpose (see below). Timotheos then emerges as one of the four sculptors at work on the temple, and not necessarily the most important of them, since he receives less pay for his akroteria than Theo . . . did for his!

Three, perhaps four, of the six akroteria of the temple have survived. They consist of two Nereids (or Aurai) on horseback[161] (figs. 710, 711; Nos. 155, 156), a Nike holding a bird[162] (fig. 713), and the upper part of another Nike[163] (fig. 712). The two Nereids were found close to the western end of the temple,[164] so that their association with the western pediment is assured. The Nike with the bird was found built into a wall between the temple and the rotunda of Polykleitos,[165] that is, not far from the western end; she may therefore have been the central akroterion of the west pediment, though that is not certain. The upper part of a Nike with wings came to light northeast of the temple[166] (near a base which Kavvadias erroneously thought belonged to it). Its identification as an akroterion of the temple is due to Furtwängler.[167] In style these four figures are markedly similar. They have in common the delicate, transparent drapery with sharply cut, finely worked folds, very different from the more coarsely worked and denser drapery of the pediment figures. So whether Timotheos was the sculptor of the Nereids and the Nike with the bird from the west pediment or of the fragment of a Nike probably from the east pediment, his style was apparently characterized by this transparent rendering of drapery —which connects him with late fifth-century accomplishments.

We remember that besides the akroteria Timotheos made certain reliefs for which he received 900 drachmas (p. 275). Now there were found on the temple site two reliefs representing the seated Asklepios[168] (figs. 714, 715), of the same delicate workmanship as the akroteria and with similar transparent drapery. They cannot be sculptured metopes as Svoronos[169] once thought, for the measurements do not after all correspond,[170] and the composition of the reliefs with the legs protruding from the background is inappropriate for a metope; moreover, the use of the word τύπος for metope has no parallel. What purpose they actually served we do not know, but their affinity with the style of the akroteria as against that of the pediment figures makes it at least possible that they were the work of Timotheos.

---

[161] National Museum, Athens, Nos. 156, 157.

[162] No. 155.

[163] No. 162.

[164] Kavvadias, *Fouilles d'Épidaure,* p. 21: "tout près du côté occidental du temple."

[165] *Ibid.,* p. 20.

[166] *Ibid.,* p. 118, fig. 19.

[167] *Sitzungsberichte Münch. Akad. phil.-hist. Kl.,* 1903, p. 445.

[168] National Museum, Athens, Nos. 173, 174.

Mausoleum

Timotheos is mentioned by Pliny[171] as one of the sculptors of the Mausoleum of Halikarnassos, along with Skopas, Bryaxis, and Leochares. We have seen that in the case of Skopas it has been possible to assign to him—with much probability—certain portions of the friezes (cf. p. 270). Is this feasible also with Timotheos? The attempt has been made. Wolters and Sieveking[172] see his hand in the slabs Nos. 1006, 1007, 1008, 1010, 1011, 1012, 1016, 1017 (cf. figs. 720–722)—for they have similar, somewhat stereotyped figures not always successfully composed, as well as the same type of stocky, muscular horse, with short, thick head, conspicuous folds on the neck, and a tail very broad at the root. The characteristics, however, are not so clearly marked as in the case of Skopas; and even if we admit that these slabs form a homogeneous group, we have no evidence by which we can assign it to Timotheos. We know only that he was at work on the south side, but only one of the slabs was found on the temple site (No. 1016) and that was on the east. In style they are certainly different from the akroteria of Epidauros.

Other Works

We hear also of single statues by Timotheos—an Artemis[173] later shown in the temple of Apollo on the Palatine, an Asklepios[174] in Troezen, athletes, etc.[175] But no trace of them has survived. The safest criterion by which to judge the style of Timotheos is therefore the akroteria of the Epidauros temple. For either the three fine figures (figs. 710, 711, 713) or one not dissimilar fragment (fig. 712) should be by his hand. Several statues have accordingly been ascribed to Timotheos on account of their general stylistic resemblance to the Epidauros akroteria,[176] the most important being the Leda in the Villa Albani[177] and a female torso in Copenhagen.[178] But we must remember in such assignments that Timotheos' associate, Theo . . ., had evidently a markedly similar style.

---

[169] *Das Athener Nationalmuseum,* I, pp. 152 f.

[170] Neugebauer, *Jahrbuch,* 1926, pp. 83 f.

[171] *N.H.* XXXVI. 30.

[172] Cf. *Jahrbuch,* 1909, pp. 181, 185. Pfuhl, *Jahrbuch,* 1928, pp. 46 f., would assign only 1006, 1010, 1016, 1017.

[173] Pliny, *N.H.* XXXVI. 32.

[174] Pausanias II. 32. 4.

[175] Pliny, *N.H.* XXXIV. 91.

(g) *Bryaxis*

ORIGIN AND DATE

BRYAXIS, an Athenian,[179] was as we have seen (p. 269) at work on the Mausoleum about 350 B.C. An inscription on a sculptured base with the name of Bryaxis as the sculptor may be dated about the middle of the fourth century. We know furthermore[180] that he made a portrait of Seleukos (Nikator) who became king of Syria in 312; but the portrait could well have been done before Seleukos became king, for Bryaxis would have been rather old in 312, if he was an eminent sculptor in 350.

WORKS

Sculptured Base

The signed sculptured base referred to is our chief landmark for the study of Bryaxis. It is a square block found in Athens in 1891, evidently intended for the support of a statue. It is decorated on three sides with a horseman approaching a tripod[181] (fig. 723), and on the fourth is an inscription recording that Demainetos, Demeas, and Demosthenes—a father and two sons—were victorious in horse races, and that Bryaxis made the monument (fig. 724). The base was presumably by the same sculptor as the monument. Precious as this original monument is, the reliefs of the horsemen are so sketchy that they can give us only a limited picture of Bryaxis. We obtain from them the impression of an able but rather conventional person of delicate perception and with a fine sense of composition, for the spacing of the horsemen with the tripods is very pleasing.

In the vicinity of this base (that is, fifty meters from it) was found the statue of a Nike[182] (figs. 725, 726) which has been quite generally identified as the statue originally erected on it. But the execution is too summary for a single commemorative statue, more adapted to a decorative figure placed at a great height like an akroterion;[183] and the oblique direction of its forward movement does not compose well with the rectangular base.[184] Furthermore the style of the drapery, with its finely composed, sharply cut folds and the low girding, is that of the later fifth rather than that of the middle of the fourth century (p. 104). We may compare especially such dated monuments as a figure from the Erechtheion[185] (fig. 728), for the folds on the lower part; a fragment from the Rhamnous reliefs[186] (fig. 727), for the folds of the upper part; the Nereids in the British Museum[187] (cf. fig. 304); and the Medici Athena in the Louvre (fig. 322), for the folds immediately above and below the girdle; and contrast the more diversified, more naturalistic renderings of the fourth century, such as the torso in Venice[188] and the figures on the Sidon (fig. 316) and Mantineia reliefs (figs. 679–681). The tunics of the horsemen on the base, on the other hand, are in the familiar fourth-century style, comparable to that of the Mausoleum frieze.

---

[176] Cf. Amelung, *Ausonia,* III, 1908, pp. 91 ff.; Arndt, Brunn-Bruckmann, *Denkmäler griechischer und römischer Skulptur,* text to pl. 648.

[177] Brunn-Bruckmann, *Denkmäler griechischer und römischer Skulptur,* pl. 648.

[178] *Ibid.,* pl. 665.

[179] Clement of Alexandria, *Protrept.* IV. 47.

[180] From Pliny, *N.H.* XXXIV. 73.

[181] National Museum, Athens, No. 1733; cf. Kavvadias, 'Eφ. 'Aρχ., 1893, pls. 6–7, pp. 39 ff.; Svoronos, *Das Athener Nationalmuseum,* I, pls. XXVI, XXVII, pp. 163 ff.

[182] National Museum, Athens, No. 1732; Svoronos, *op. cit.,* pl. XXVII; Kavvadias, *loc. cit.,* pls. 4, 5.

Mausoleum

Is it possible to use the reliefs on the base as a criterion by which to recognize part of the Mausoleum frieze as the work of Bryaxis? The attempt has been made,[189] based chiefly on a comparison of the types of horses. The thick-set build, with muscular body, triangular neck (wide at the base and narrow at the head), short head, and tail consisting of continuous long hairs, which appears on the inscribed base, occurs again on the slabs Nos. 1009, 1019 (figs. 729, 730) of the Mausoleum frieze; and these have accordingly been attributed to Bryaxis. If the assignment is correct, and it is at least ingenious, we have here works of a very different character from the quiet horsemen of Athens—impetuous fighting scenes with galloping and rearing horses, rapidly advancing figures and fallen bodies, the medley of the battle, boldly and yet harmoniously composed. The spirit of the two products is different indeed, but they have in common a fine feeling for design.

---

[183] Presumably of the "Theseion" from which it rolled down the hill to the place where it was found (northeast of the Theseion station). This suggestion was first made by Studniczka as long ago as 1907 in his monograph on Kalamis, p. 51, and should have received greater credence.

[184] This is the case even if we imagine an intermediate column (cf. Kavvadias, Εφ. 'Αρχ., pl. facing p. 47). In the Paionios Nike this problem was ably solved by a triangular pyramidal base.

[185] Stevens, Paton, etc., *The Erechtheum,* pl. XLIV, 77; text, p. 269, fig. 165.

[186] Svoronos, *Das Athener Nationalmuseum,* I, pl. XLI, B209.

[187] Svoronos in his publication himself sees this resemblance but uses it only to identify the figure as a Nereid.

[188] Furtwängler, *Originalstatuen in Venedig,* pl. VII, 1, and his excellent analysis on p. 312.

[189] Cf. Wolters and Sieveking, *Jahrbuch,* 1909, p. 184. Pfuhl, *Jahrbuch,* 1928, pp. 48 f. assigns to Bryaxis slabs 1019, 1020, 1021, 1018, which are given by Wolters and Sieveking to Leochares (see p. 283, note 207).

Apollo Kitharoidos

The rhetorician Libanios[190] describes in glowing terms a statue of Apollo by Bryaxis at Daphne near Antioch: "Imagination brings before my eyes that form, the bowl, the lyre, the tunic reaching to the feet, the delicacy of the neck in the marble, the girdle about the bosom, which holds the golden tunic together, so that some parts fit closely and others hang loose. He seemed as one that sang." We know from Cedren[191] that the statue was by Bryaxis; and it appears to be represented on coins of Antiochos Epiphanes[192] (figs. 731, 732). It is a dignified composition harking back to earlier prototypes; quite what we might expect from the able, somewhat conservative artist of the Athens base.

Other Works

Of other works by Bryaxis mentioned by ancient writers[193] we know only the names. We hear of statues of various deities, including five colossal figures in Rhodes,[194] a Serapis,[195] a Pasiphae,[196] and the portrait of Seleukos mentioned above. All these, except an Asklepios and Hygieia, were made for Asia Minor; it has not been possible to identify any replicas.

(*h*) *Thrasymedes*

The sculptor of the statue which stood inside the temple of Asklepios at Epidauros was Thrasymedes of Paros. Pausanias[197] gives a detailed description of it: "[At Epidauros] the image of Asklepios is smaller by one half than the Olympian Zeus at Athens, and is made of ivory and gold; the inscription states that it is the work of Thrasymedes the son of Arignotos of Paros. The god is seated upon a throne and holds a staff in one hand, while he extends the other above the serpent's head. A dog is also represented lying at his feet. On the throne are represented in relief the exploits of Argive heroes, viz., the contest of Bellerophon with the Chimaira, and Perseus, who has decapitated Medusa." A seated Asklepios with staff, serpent, and dog which appears on the coinage of Epidauros (fig. 733) doubtless reproduces this temple statue.[198] It is a dignified figure in early fourth-century style, a not unworthy successor of the chryselephantine statues by Pheidias and Polykleitos. Even from the small coin reliefs we get the impression of the magnanimity and gentleness of the great god of healing. The statue was probably made after the temple was completed; at least it is not mentioned in the building inscription (cf. p. 275); but it cannot be much later, for the transparent drapery (which we noted also in the akroteria of the temple, cf. p. 277) still harks back to late fifth-century models. So we may date the original about 375 B.C.

---

[190] *Orat.* 61.

[191] *Hist. Comp.* 306 B.

[192] Babelon, *Les Rois de Syrie*, p. 71, pl. XII, 12.

[193] Cf. Overbeck, *Schriftquellen*, 1316 ff.

[194] Pliny, *N.H.* XXXIV. 42.

[195] Clement of Alexandria, *Protrept.* IV. 48.

[196] Tatian, *Contra Graecos.* 54. 117 (ed. Worth).

[197] II. 27. 2.

The temple statue was not the only work which Thrasymedes did for the temple of Asklepios. The building inscription (line 45) tells us that he "contracted to execute the roof above and the inner doorway, as well as that between the columns, for 9800 drachmas. His securities were Pythokles, Theopheides, and Agemon." In line 65 of the same inscription we learn that 3070 drachmas worth of ivory were furnished for this door, and the gold nails mentioned in line 65 were doubtless for the same purpose. We may therefore suppose that it was Thrasymedes' expert knowledge in the working of ivory and other precious materials which gave him the commissions for a door, a ceiling, and a chryselephantine statue.

(*i*) *Leochares*

ORIGIN AND DATE

WORKS

PLINY[199] places Leochares along with Kephisodotos in the 102d Olympiad (*c.* 372 B.C.). Plato[200] in a letter dated *c.* 366 B.C. refers to Leochares as "an excellent young craftsman." As many as seven inscriptions with Leochares as the name of the sculptor have been found in Athens,[201] and these are all datable in the middle and second half of the fourth century. Pausanias[202] tells us that he made chryselephantine statues of Philip of Macedon and his family (his parents, his wife, and his son, Alexander the Great) for the Philippeion at Olympia, and he collaborated with Lysippos in a lion hunt of Alexander (Alexander was born in 355). We also know from Plutarch that he made a bronze portrait of Isokrates[203] (436–338). Like most Greek artists of this period he obtained important commissions in Asia Minor, where large artistic undertakings were now more frequent than in Greece proper. Thus he was one of the four sculptors of the Mausoleum of Halikarnassos (soon after 351), the western side of which was assigned to him for decoration. His chief period of activity therefore seems to have been the middle and the third quarter of the fourth century. Though his origin is nowhere directly stated, the fact that so many inscriptions with his name were found in Athens suggests that he was an Athenian, at all events active in Athens during a considerable period.

---

[198] Cf. Imhoof-Blumer and Gardner, *Numismatic Commentary*, pl. L, Nos. III–V, p. 43.

[199] *N.H.* XXXIV. 50.

[200] *Epistles* XIII (perhaps spurious).

[201] Loewy, *Inschriften*, Nos. 77–83.

[202] V. 20. 9.

[203] *Isocr.* 27.

The Mausoleum Frieze

Since part of the sculptural decoration of the Mausoleum of Halikarnassos has survived, the question naturally comes up whether it is possible to assign any of it to Leochares. Sieveking and Wolters[204] in their attempt to apportion the largest frieze between the four sculptors[205] have assigned to Leochares the slabs 1020, 1021, and 1018 (cf. fig. 735). These reliefs show a highly individual style—markedly long figures in strongly oblique postures, constantly crossing one another, and restless, waving drapery. They are certainly by one hand, and it is tempting to think it was that of Leochares; for after Skopas he seems to have been the most distinguished of the four sculptors[206] and these slabs are next to those assigned to Skopas the ablest and most original work.[207]

Other Works

Pliny[208] describes one of Leochares' works as follows: "Leochares represented the eagle which feels what a treasure it is stealing in Ganymede, and to whom it is bearing him, and using its talons gently, though the boy's garment protects him." A group of Ganymede and the eagle extant in various replicas, of which the best is in the Vatican[209] (fig. 737), has naturally been associated with Leochares' work; for the subject is rare in Greek sculpture, and the group corresponds in a general way to Pliny's rather vague description; that is, the eagle's claws are laid on Ganymede's garment. But the group appears considerably later in date, since its picturesque character places the original well in the Hellenistic period, and it has nothing in common with the Mausoleum reliefs. Perhaps we may obtain a better suggestion of Leochares' work in the beautiful bronze mirror relief in Berlin (fig. 734), which is at least a fourth-century original (here too the claws of the eagle are placed over the boy's garment); though, as Furtwängler[210] pointed out, the composition probably goes back to a famous painting, for it is not conceived as a piece of sculpture in the round.

---

[204] *Jahrbuch,* 1909, pp. 171 ff.

[205] Cf. pp. 270, 278, 280.

[206] Vitruvius II. 8. 11 speaks of "nobili manu Leocharis," which is the equivalent of famous.

[207] Pfuhl, *Jahrbuch,* 1928, pp. 48 f., would assign these same slabs to Bryaxis and Nos. 1007–1009, 1011, 1012 to Leochares; but the stormy movement of 1020, 1021, 1018 has nothing in common with the horseman on the base, our only criterion for Bryaxis' style (cf. p. 279).

[208] *N.H.* XXXIV. 79.

[209] Helbig, *Führer,*^{3} I, No. 386. The restorations include the head and wings of the eagle; the right forearm, left arm, and both legs from the knee down of Ganymede, and the upper part of the dog.

We hear of several other works by Leochares,[211] such as a "famous Zeus the Thunderer," afterwards on the Capitol, "a work of unequalled excellence"; a colossal statue of Ares[212] of wood with marble head, hands, and feet (*ἀκρόλιθον*)—though by some this work was ascribed to Timotheos; a series of portraits executed together with the sculptor Sthennis;[213] etc. But of none of these have replicas been satisfactorily identified. Because of a certain resemblance to the Ganymede the original of the Apollo Belvedere has been ascribed to Leochares.[214] With such uncertain evidence we must admit that Leochares still remains a shadowy figure.

(*j*) *Euphranor*

Of the other sculptors who worked in Athens during this period Euphranor may be mentioned as perhaps the most important. Pliny[215] gives a list of his works, places him in the 104th Olympiad (364 B.C.), and tells us that he "far outshone his rivals." He was a painter as well as a sculptor and wrote books on symmetry and color. But since no extant sculptures can be certainly associated with him[216] we cannot form a picture of his style. And the same is the case with other distinguished sculptors such as Silanion, who made a portrait of Plato dedicated by Mithridates[217] before 363; Sthennis, who worked with Leochares on a portrait group;[218] and Demetrios,[219] another portrait sculptor, placed in the first half of the fourth century by two inscriptions found on the Akropolis.[220]

---

[210] *Collection Sabouroff,* II, pl. 147.

[211] Cf. the list given by Overbeck, *Schriftquellen,* 1303 ff.

[212] Vitruvius II. 8. 11.

[213] Loewy, *Inschriften,* No. 83.

[214] Cf. Furtwängler, *Masterpieces,* p. 408.

[215] *N.H.* XXXIV. 77; XXXV. 128.

[216] For attempts to do so, cf. Furtwängler, *op. cit.,* pp. 348 ff.; Six, *Jahrbuch,* 1909, pp. 7 ff.

[217] Diog. Laert. III. 25; Mithridates died in 363 B.C. According to some authorities this portrait is reproduced in the bust in the Vatican (*Jahrbuch,* 1886, pl. VI, 2). Cf. also Overbeck, *op. cit.,* 1350 ff.

[218] Cf. p. 283.

[219] Cf. Pliny, *N.H.* XXXIV. 76, and Lucian, *Philops.* 18.

[220] Loewy, *op. cit.,* Nos. 62, 63.

(*k*) *Lysippos*

Origin and Date

Lysippos of Sikyon was the last great original sculptor of Greece. Pliny places him in the 113th Olympiad (328 B.C.), a natural date to select, for we know that he was especially active during Alexander the Great's reign (336–323). An inscription at Olympia[221] records that one Troilos was victorious with horses, and Pausanias[222] states that these victories were gained in the 102d Olympiad (372–368) and that Lysippos made the statue. The statue need not have been erected immediately after the victory, and the character of the inscription suggests that it was not set up till considerably later.[223] Pliny[224] tells us that Lysippos made numerous portraits of Alexander beginning with his boyhood (Alexander was born in 355). An inscription on a block found at Thebes associates Lysippos with a statue of Koreidas, winner in the pankration for boys in the Pythian games, datable about 342 or later.[225] Two statue bases found at Corinth and inscribed Λύσιππος ἐπόησε can be roughly dated about 325.[226] And still another statue base from Thermos bears his signature together with a later dedicatory inscription.[227] Athenaios[228] mentions Lysippos as a friend of Kassandros when he founded Kassandreia in the 116th Olympiad (316). A lost inscription mentioned as early as the fifteenth century[229] reads Σέλευκος βασιλεύς Λύσιππος ἐποίει. (Seleukos assumed the royal title in 312.) All these dates concur in placing Lysippos' activity in the second half of the fourth century. Pausanias[230] says that he made a statue at Olympia of Poulydamas victorious in the pankration in the 93d Olympiad (408); if this information is correct, the statue must have been much later than the event it celebrated.

Works

Lysippos, we are told, was extraordinarily prolific, more so than any other artist.[231] The number of his works is said to have been fifteen hundred,[232] "all of such artistic value that each would have sufficed by itself to make him famous. The number became known after his death, when his heir broke open his strongbox, since it had been his custom to set aside a piece of gold from the price of each statue." Unfortunately not a single one of these many sculptures has been preserved, and—what is more amazing—we have not even a perfectly certain reproduction of one, though a few can be so identified with considerable probability.

---

[221] Loewy, *Inschriften*, No. 94.

[222] VI. I. 4.

[223] The evidence is summarized by Johnson, *Lysippos*, pp. 60 ff.

[224] *N.H.* XXXIV. 63.

[225] Cf. Johnson, *op. cit.*, pp. 62 ff.

[226] Powell, *A.J.A.*, 1903, pp. 29–32.

[227] Sotiriades, 'Αρχ. Δελτ., I, 1915, pp. 55 ff.; Johnson, *op. cit.*, p. 64.

[228] XI. 784.

[229] Loewy, *op. cit.*, No. 487.

[230] VI. 5. 1.

[231] Pliny, *N.H.* XXXIV. 61.

[232] Pliny, *N.H.* XXXIV. 37.

Youth Scraping Himself

One of Lysippos' most famous works was "a youth scraping himself which M. Agrippa dedicated in front of his baths."[233] Its great beauty is attested by the anecdote that the Emperor Tiberius conceived a "wonderful passion" for it and removed it to his private chamber but had to restore it to its former location on account of the displeasure of the Roman populace. A reproduction of this statue has long been recognized in the Apoxyomenos in the Vatican[234] (figs. 739, 742, 743), for it seemed to bear out in a striking way the characteristics of Lysippos summed up by Pliny:[235] "He is said to have done much to advance the art of sculpture in bronze by his careful treatment of the hair, and by making the head smaller and the body more slender and firmly knit [corpora graciliora siccioraque] than earlier sculptors, thus imparting to his figures an appearance of greater height. There is no Latin name for the 'canon of proportions' [symmetria] which he carefully observed, exchanging the squarely-built figure of the older artists for a new and untried system. He was in the habit of saying that they had represented men as they were, while he represented them as they appeared to the eye." The Vatican Apoxyomenos with its slim body, long legs, small head, and carefully modeled hair certainly corresponds, in a general way at least, to Pliny's description. It is obviously a conscious departure from the squarely built figures of Polykleitos and is drier, more firmly knit than the soft Praxitelean statues. So the identification seems probable. Unfortunately we can obtain no real conception of the beauty of the original from this obviously inferior marble copy. We miss altogether the "extreme delicacy of the work even in the smallest details," which we are told[236] was Lysippos' "most individual feature." And the lifelike quality which the original doubtless had is lost. All we can get is a general picture of Lysippos' scheme of proportions.

The Agias

During the excavations at Delphi there was brought to light a series of statues dedicated *c.* 344–334 by one Daochos, of Thessaly, representing earlier members of his family.[237] The inscriptions on the base of the dedication give the names of the individuals and their accomplishments. One of the statues is of Agias (figs. 738, 740, 741), winner in the pankration in the middle of the fifth century. It is the best preserved and finest of the set and has the further interest that a duplicate of its dedicatory inscription has been found in Thessaly (one portion in Pharsalos, the native town of Agias)—in which Lysippos is mentioned as the sculptor.[238] The Thessalian statue has not survived, so that we do not know what it was like. It was presumably of bronze, for that was the favorite material of Lysippos. The important question now arises: Was the Agias at Delphi a marble copy of the Lysippos bronze original? Nowadays the repetition of a memorial is a general practice. But in Greece in the fourth century this was not necessarily so; at least we have no evidence of contemporary "replicas." And tempting though it be to regard the Agias as a marble copy executed by Lysippos' assistants with the help of the original mould of the bronze statue, this is only an hypothesis. At all events we certainly cannot make the Agias of Delphi our criterion of Lysippos' style and reject the Apoxyomenos as a Lysippian statue merely on the ground that it is unlike the Agias. As a matter of fact the Apoxyomenos corresponds more closely to the little we know definitely of Lysippos' style (his slim proportions and his carefully worked hair) than the Agias, who is distinctly squarer and whose hair shows less care in execution. And that the Agias is the finer statue of the two is merely owing to the fact that it happens to be a Greek original, while the Apoxyomenos is not. Nevertheless the Agias is hardly fine enough to be the product—or let us say a faithful contemporary copy of the product—of one of the most famous artists of antiquity. However, even if we grant that the Delphian Agias reproduces Lysippos' statue, the differences between it and the Apoxyomenos are not so great as some authorities have tried to make out. In the Agias the eyes are more deeply set and look upward, giving the whole a much more vivid expression. But we know that it is just in the treatment of the eyes that a Roman copyist is most apt to miss the character of the original. And in other respects the two heads have much in common. The structure of the forehead is similar, and so are the small, delicately modeled mouth and firm chin. It is not inconceivable that the two go back to the same sculptor at different stages in his career—the

---

[233] Pliny, *N.H.* XXXIV. 62.

[234] Helbig, *Führer*,3 I, No. 23.

[235] *N.H.* XXXIV. 65.

[236] Pliny, *N.H.* XXXIV. 65.

[237] Cf. Poulsen, *Delphi*, pp. 265 ff.; *Fouilles de Delphes*, IV, pls. LXIII ff.

---

[238] Preuner, *Ein delphisches Weihgeschenk*, pp. 20, 24.

Agias an earlier work, the Apoxyomenos produced toward the end of his life.

Herakles Epitrapezios

Martial[239] gives us an unusually detailed description of what must have been a very engaging work by Lysippos—a statuette of Herakles less than a foot in height, used as a table decoration and therefore called Herakles Epitrapezios: "He who sits here tempering the hardness of the rock with the outstretched lion's skin, a mighty god imprisoned in the tiny bronze, and gazes with upturned eyes at the stars which once he bore, whose left hand is hot with the club, and his right with the wine-cup, enjoys no upstart fame, nor is his fame that of a Roman chisel. 'Tis a famous work and offering of Lysippos which thou seest." Statius[240] likewise gives it extravagant praise: "In how small a space what illusion of great size. What skill of hand, what deft craftsman's cunning to fashion equally well ornaments of a table and to conceive in his mind the great colossi. . . . The mild face, as though rejoicing from the heart, invites to the feast; this hand grasps his brother's drowsy cup, the other is mindful of his club; a rough seat upholds him, a rock covered with the Nemean lion's skin." It is said to have belonged successively to Alexander, Hannibal, Sulla, and Novius Vindex.[241] There are numerous statuettes of Herakles, Roman reproductions, corresponding more or less to Martial's description,[242] since the hero rests on a rock on which is a lion's skin, and holds a club in his left hand (fig. 751[243]). The right hand is unfortunately not preserved in any of these examples, only on a bronze coin of Amastris of the time of Caracalla (fig. 750) which shows the same composition. It has been argued that the style is a good deal later than that of Lysippos, being indeed highly realistic in the developed Hellenistic manner. But we know too little of the tendencies of Lysippos to be dogmatic on this subject. We must rather try to reconstruct his style from the few monuments which can be associated with him and from the testimony of ancient authors. We know that Lysippos prided himself on his realism. For instance, Pliny[244] tells the following story: "Duris asserts that Lysippos of Sikyon had no master, but originally worked as a bronze-caster, and was inspired to attempt higher things by an answer of Eupompos. That artist, when asked which of his predecessors he followed pointed to a crowd of men, and replied that Nature herself and no artist was the true model." And Propertius[245] says that "the glory of Lysippos is to make his statues full of life." Moreover Niketas'[246] description of Lysippos' colossal bronze Herakles at Tarentum certainly suggests a realistic rendering: "His breast and shoulders were broad, his hair thick, his buttocks fat, and his arms brawny." The swelling muscles of the seated Herakles are therefore not contrary to but in line with Lysippian conceptions, so that these statuettes may well be late, poor reproductions of Lysippos' highly prized little Herakles Epitrapezios.

---

[239] IX. 44.

[240] *Silv.* IV. 6.

[241] Statius, *Silv.* IV. 6.

[242] Enumerated by Weizsäcker, *Jahrbuch,* 1889, pp. 109 f. and Johnson, *Lysippos,* pp. 100 ff.

[243] Smith, *Catalogue of Greek Sculpture in the British Museum,* III, No. 1726. Both arms and the club are restored.

[244] *N.H.* XXXIV. 61.

Poulydamas

Pausanias[247] tells us that Lysippos made a statue of Poulydamas at Olympia and that some of his remarkable feats (which he enumerates) are represented on the base. A portion of this pedestal with the reliefs referred to has been found and is now in the museum at Olympia[248] (cf. fig. 752). The reliefs represent Poulydamas in combat with a lion, seated on a dead lion, and lifting a man in the air before the Persian king. Did Lysippos execute the base as well as the statue and have we here an original work by his hand? The question would be more important if the reliefs were better preserved; but they are sadly mutilated and at best are only slight works, so that they help little in our estimate of Lysippos' style, except to bear out the evidence of the Apoxyomenos regarding the slim proportions of his figures.

Zeus

A bronze Zeus, the work of Lysippos, is described by Pausanias[249] as standing in the market-place at Sikyon. On a bronze coin of Sikyon of the time of Caracalla is a long-legged Zeus (fig. 749) in a pose not unlike that of the Apoxyomenos, only reversed; at least the curve described by the body is similar; so that the figure on the coin might well represent the Lysippian statue. Unfortunately it too is badly preserved, and can teach us little beyond Lysippos' preference for a slender build.

Portrait of Alexander

Lysippos was a successful portraitist. In fact Alexander the Great would let no one else portray him in bronze. So, at least, Plutarch[250] tells us: "When Lysippos first made a portrait of Alexander with his countenance uplifted to heaven, just as Alexander was wont to gaze with his neck gently inclined to one side, someone wrote the following not inappropriate epigram: 'The man of bronze is as one that looks on Zeus and will address him thus: "O Zeus, I place earth beneath my feet, do thou rule Olympos."' For this reason Alexander gave orders that Lysippos only should make portraits of him, since Lysippos only, as it would seem, truly revealed his nature in bronze, and portrayed his courage in visible form, while others in their anxiety to reproduce the bend of the neck and the melting look of the eyes failed to preserve his masculine and leonine aspect." We know from Pliny's[251] statement that Lysippos made numerous portraits of Alexander, and it is of course natural to look among the several extant heads for copies of some of these. But we must remember that so popular a figure as Alexander was doubtless often portrayed even after Lysippos' death; for instance, by Lysippos' own son, Euthykrates.[252] The head in the British Museum[253] (fig. 745) shows perhaps best the "melting gaze and the leonine aspect." The "Azara bust"[254] (fig. 744) has certain stylistic affinities with the Apoxyomenos. The bust in the Guimet Museum[255] (fig. 746) is a particularly fine conception and of excellent workmanship; though its identity with Alexander has been doubted.[256] But closest perhaps to a Lysippian original are the heads on the coins[257] (fig. 747), which though small in scale have at least the advantage of being practically contemporary Greek work.

---

[245] III. 7. 9.
[246] *Chon. de Sign. Constant.* 5.
[247] VI. 5. 1 ff.
[248] Treu, *Olympia,* III, pl. LV, 1–3, pp. 209 ff.
[249] II. 9. 6.
[250] *Alex.* II. 2. Cf. also Pliny, *N.H.* VII. 125: "[Alex.] edixit ne quis ipsum alius quam Apelles pingeret quam Pyrgoteles scalperet quam Lysippos ex aere duceret."

Portrait of Seleukos

Since we know from an inscription (see p. 285) that Lysippos made a portrait of king Seleukos, and a bronze bust in Naples[258] has been identified with Seleukos Nikator (356–281) by comparison with the coin types, it has been suggested that this bust is a copy of the work by Lysippos.[259] But as we know that portraits of Seleukos were also made by other sculptors, including Bryaxis (cf. p. 279) and Aristodemos, we have not enough evidence for a definite assignment.

Large Compositions

Another field in which Lysippos evidently distinguished himself was that of large dedicatory groups of figures in violent action. For instance Plutarch[260] tells us that "Krateros erected a memorial of this hunt at Delphi. He caused figures of bronze to be made, representing the lion, the dogs, the king in combat with the lion, and himself coming to the rescue; some of these were made by Lysippos, the rest by Leochares." Again Arrian:[261] "Of the Macedonians there fell about twenty-five of the king's guard in the first onslaught. Bronze portraits of these stood at Dion, made by Lysippos by order of Alexander." And Pliny[262] lists among Lysippos' works "Alexander's hunt," "four-horse chariots of several kinds," and a "troop of Alexander's horse in which he introduced portraits of his friends which displayed a marvelous likeness." None of these bold creations in which Lysippos showed himself as a great composer, a portraitist, and an animal sculptor have of course been preserved; but we may form perhaps some conception of their general effect by the splendid battle scenes and lion hunt on the "Alexander sarcophagus" at Constantinople[263] (fig. 748), dated in the last quarter of the fourth century.

---

[251] *N.H.* XXXIV. 63; see pp. 284–285.

[252] Pliny, *N.H.* XXXIV. 66.

[253] Smith, *Catalogue*, III, 1857.

[254] Bernoulli, *Darstellungen Alexanders des Grossen*, pl. I, p. 21.

[255] Reinach, *Gazette des Beaux-Arts*, 1902, p. 158.

[256] Bernoulli, *op. cit.*, p. 87.

[257] Head, *Historia numorum*, p. 242, fig. 172.

[258] Ruesch, *Guida del Museo Nazionale di Napoli*, p. 221, No. 890.

[259] Wolters, *Röm. Mitt.*, IV, 1889, pp. 39 f.; cf. also Johnson, *Lysippos*, p. 230.

Other Works

Many other works of Lysippos are known to us either by the mere mention or by lengthy descriptions of ancient writers.[264] These include deities (among them a colossal Zeus over forty cubits in height, at Tarentum), heroes, athletes, and portraits (among them Sokrates), and animals (e.g., a slain lion and a free horse). We may quote as an unusual composition an allegorical statue of "Kairos" (Occasion) charmingly described in the *Anthology:*[265] "Who and whence was thy sculptor? From Sikyon. His name? Lysippos. And who art thou? Occasion, the all-subduer. Why dost thou tread on tiptoe? I am ever running. Why hast thou wings two-natured on thy feet? I fleet on the wings of the wind. Why dost thou bear a razor in thy right hand? To show men that I am keener than the keenest edge. And thy hair, why grows it in front? For him that meets me to seize, by Zeus. And why is the back of thy head bald? Because none may clutch me from behind, howsoe'er he desire it, when once my winged feet have darted past him. Why did the sculptor fashion thee? For thy sake, stranger, and set me up for a warning in the entry." But neither this nor any of the other works has been satisfactorily identified among the store at our disposal.

---

[260] *Alex.* 40.

[261] *Anab.* I. 16. 7.

[262] *N.H.* XXXIV. 64.

[263] Mendel, *Catalogue des sculptures,* No. 68.

[264] Cf. Overbeck, *Schriftquellen,* 1451 ff., and Johnson, *Lysippos,* pp. 274 ff.

[265] *Anthol. Palat. Append.* II. 49. 13 (66).

ATTRIBUTIONS

On the other hand, there have been numerous attributions to Lysippos of extant statues based on our slim knowledge of his style; for instance, the Herculaneum Hermes[266] (fig. 72), the praying boy in Berlin[267] (fig. 51), the Eros with the bow,[268] and the athlete fixing his shoe, formerly in Lansdowne House.[269] They are all possible ascriptions, for the affinities with the Apoxyomenos are undeniable; but they are not material on which we can build with certainty.

Using only the actual evidence before us we obtain a picture of a highly original sculptor who by his new system of proportions, his realism, and the grandiose scale of his compositions initiated a new age. He put the finishing touch to the naturalism of the fourth century. Praxiteles and Skopas besides their qualities of grace and emotion had inherited much of the grandeur of the preceding century. Lysippos consciously went to nature as the prime master and thus began a school with a new outlook, which was carried on and developed during the Hellenistic age and from which much of the later sculpture was derived. During the three succeeding centuries the path was followed which he pointed out—of lifelike realism and of manifold subjects. However, in spite of this larger scope and variety and the perfect correctness in modeling, the effect is much tamer than in the earlier products; showing again that it is not realism, however lifelike and vigorous, but other qualities, of which the most important is a feeling for design, which make for truly great sculpture.

(*l*) *The School of Lysippos*

LYSISTRATOS

LYSIPPOS had many relatives and pupils who followed in his footsteps and some of them attained independent fame. Of his brother Lysistratos Pliny[270] tells us that he was "the first artist who took plaster casts of the human face from the original and introduced the practice of working over a wax model taken from the plaster. He also instituted the practice of rendering portraits with lifelike precision, while previous artists had striven to make them as beautiful as possible. He also discovered how to take casts of statues."[271] Naturally such inventions all tended in the direction of realism, which was indeed the taste and requirement of the age.

---

[266] Comparetti and di Petra, *La Villa ercolanese,* pl. XIII, 2.

[267] Berliner Museen, *Beschreib. der ant. Skulpt.,* No. 2.

[268] Johnson, *Lysippos,* pp. 104 ff.; he also adds the Farnese Herakles type, pp. 197 ff.

[269] Michaelis, *Ancient Marbles in Great Britain,* p. 464.

[270] *N.H.* XXXV. 153.

[271] Cf. p. 140.

Eutychides

Pausanias[272] tells us that "Eutychides of Sikyon, a pupil of Lysippos, made a statue of Fortune for the Syrians who live on the Orontes, at whose hands it receives great honor"; and John Malalas[273] gives the additional information that the figure was seated "above the river Orontes." By the help of these descriptions and the figures of Antiocheia which appear on Syrian coins of Tigranes[274] (fig. 755; 83 B.C.) it has been possible to recognize copies of the group in the marble statue in the Vatican[275] (fig. 753) and in several bronze and silver statuettes in various museums (fig. 754[276]). A woman is represented seated on a rock, her foot resting on the shoulder of a youth, who is seen emerging from the ground. It is a dignified conception of a city goddess, pictorially treated, in the taste of this late period. Eutychides also made a figure of the river Eurotas "more liquid than water."[277]

Chares

Chares achieved fame by his colossal statue at Rhodes, one of the seven wonders of the world. There are many references to it in antiquity,[278] and Pliny[279] gives us a graphic account: "The greatest marvel of all, however, was the colossal figure of the Sun at Rhodes, made by Chares of Lindos, a pupil of Lysippos. This figure was seventy cubits in height and after standing fifty-six years was overthrown by an earthquake; but even as it lies prostrate it is a marvel. Few men can embrace its thumb, its fingers are larger than most statues, there are huge yawning caverns where the limbs have been broken, and within them may be seen great masses of rock, by whose weight the artist gave it a firm footing when he erected it. The story runs that twelve years were occupied in its construction, for which the artist received 1,300 talents." Since the earthquake took place about 224 B.C., the date of the erection of the Colossus is about 280.

---

[272] VI. 2. 6.

[273] *Chronogr.* XI. 276.

[274] *British Museum Catalogue of Coins,* XIV, pl. XXVII, 6.

[275] Helbig, *Führer,*³ I, No. 362.

[276] Cf. Metropolitan Museum, *Catalogue of Bronzes,* No. 259, and the references there cited.

[277] Pliny, *N.H.* XXXIV. 78 and *Anth. Pal.* IX. 709.

[278] Cf. Overbeck, *Schriftquellen,* 1539–1554.

[279] *N.H.* XXXIV. 41.

CHAPTER V

THIRD TO FIRST CENTURY B.C.

AFTER Lysippos and his school there are no outstanding Greek sculptors. Pliny[1] sums up the situation thus: "A period of stagnation followed and again a revival in the 156th Olympiad (156–153 B.C.), the age of Antaios, Kallistratos, Polykles of Athens, Kallixenos, Pythokles, Pythias, and Timokles, artists of merit, but still far below those already mentioned." Of none of these late artists do we know much more than the name. There are, however, a few famous pieces of late Greek sculpture the authors of which we happen to know from inscriptions or the specific descriptions by Roman writers.

Polyeuktos

Polyeuktos of Athens was known for his portrait of Demosthenes, of which Plutarch[2] tells us this anecdote: "[Demosthenes] asked for a tablet and wrote the elegiac couplet, which the Athenians afterwards inscribed upon his portrait. It runs as follows: 'Hadst thou, Demosthenes, had might as strong as thy resolve, the war-god of Macedon had never ruled the Greeks.' The portrait stands near the enclosure and the altar of the twelve gods, and is the work of Polyeuktos." Elsewhere Plutarch[3] tells us that the statue had "clasped hands." The fine statue of Demosthenes in the Vatican (fig. 736) has now been proved to be a reproduction of Polyeuktos' original. The hands[4] are missing in the Vatican copy; but they are preserved in another (otherwise very fragmentary) replica found in the gardens of the Palazzo Barberini,[5] and are there folded. The hands of a third marble replica in the Ny Carlsberg Glyptotek in Copenhagen,[6] represented as holding a roll, have been shown to be modern restorations.[7] Thus the very item in Plutarch's description which formerly stood in the way of this identification has now made it a certain one. It can be dated about 280 B.C., forty years after Demosthenes' death in 322,[8] and shows us a splendid characterization of this great, morose Athenian.

---

[1] *N.H.* XXXIV. 52: "cessavit deinde ars, ac rursus Olympiade CLVI revixit."

[2] *Demosthenes* 44.

[3] *Demosthenes* 30.

[4] The restored hands holding a roll have recently (1925) been removed.

[5] Hartwig, *Jahrbuch,* 1903, pp. 25 f.; Loewy, *Belvedere,* 1928, Heft 64, pp. 79–81.

[6] Formerly in Knole, England; Michaelis, *Ancient Marbles in Great Britain,* pp. 417 f.

[7] Cf. Helbig's account in his description of the Vatican copy, *Führer,*^{3} I, No. 22.

Damophon We have the following account by Pausanias[9] of the sculptures of the temple at Lykosoura, fragments of which were found in 1889:[10] "The sanctuary of Despoina is four stades distant from Akakesion. The images of the goddesses themselves, Despoina and Demeter, and the throne whereon they are seated, and the footstool beneath their feet, are all of one block. . . . Each of the images is about equal in size to that of the Great Mother at Athens; they also are the work of Damophon. Demeter bears a torch in her right hand, while she has laid the left on Despoina; Despoina bears a scepter and 'cista,' as it is called, in her lap; with one hand—the right—she holds the 'cista.' On each side of the throne is a figure; beside Demeter stands Artemis, clad in a deer-skin, with a quiver on her shoulder; in one hand she holds a torch, in the other two snakes; beside Artemis lies a bitch, like those used in hunting. Close to the image of Despoina stands Anytos, attired as a warrior in full armor; the attendants of the temple say that Despoina was reared by Anytos, and that he is of the number of the Titans, as they are called. The legends of the Kouretes, who are represented beneath the images, and of the Korybantes, who are wrought in relief on the base, I omit, although I know them." The extant fragments consist of the heads of Demeter[11] (figs. 759, 760), Artemis[12] (fig. 758), and Anytos[13] (fig. 757), and a richly decorated piece of garment. They show clearly the influence of earlier styles adapted to later taste, especially in the composition of the whole group as tentatively reconstructed.[14] The date of Damophon is now established by inscriptions for the first half of the second century B.C.[15] and with this the style of the sculptures well agrees. Damophon is mentioned by Pausanias as the sculptor of other works and called the "only Messenian sculptor of repute"; he also successfully repaired Pheidias' Zeus at Olympia.[16]

---

[8] On the instigation of his nephew Demochares; cf. Clinton, *Fasti* sub Ol. 125. 1.

[9] VIII. 37. 1.

[10] Kavvadias, *Fouilles de Lycosoura;* Dickins, *B.S.A.*, XII, pp. 109 ff.; National Museum, Athens, Nos. 1734–1737.

[11] National Museum, Athens, No. 1734.

[12] *Ibid.*, No. 1735.

[13] *Ibid.*, No. 1736.

[14] Dickins, *B.S.A.*, XIII, pl. XII; and XVII, pp. 80 ff.

[15] Cf. the discussion by Dickins, *op. cit.*, XII, pp. 109 ff.; also *Hellenistic Sculpture*, p. 60.

[16] Pausanias IV. 31. 6, 7, 10; VII. 23. 5–7; VIII. 31. 1–3; IV. 31. 6.

Boethos

To Boethos may be ascribed with great probability the original of the famous boy strangling a goose preserved us in several copies, in Munich[17] (fig. 761), the Capitoline Museum,[18] the Louvre,[19] and elsewhere. For Pliny's[20] description, "Though Boethos is more famous for his work in silver he is the artist of the boy strangling a goose with all his might," certainly tallies well with the group. A second known work by him is the herm of Dionysos (fig. 762) inscribed Βοηθὸς Καλχηδόνιος ἐποίει, "Boethos of Chalkedon made it," which was found in the sea near Mahdia in Tunis.[21] The style is archaistic, reminiscent of Alkamenes' more famous piece, and rather weak in comparison with it. From Pausanias[22] we learn that he also made a gilt figure of a nude seated boy and that he came from Karchedon (probably for Chalkedon). A statue of Asklepios as a child is ascribed to Boethos in two epigrams.[23]

An indication of the date of Boethos is furnished by two inscribed bases—one from Lindos bearing the name of Boethos, son of Athanaion of Kalchadon, which can be placed about 155–150 B.C.,[24] the other from Delos of a statue of Antiochos IV (175–164 B.C.) signed by Boethos, son of Athanaion.[25] The identity of the author of the boy and goose with the son of Athanaion "from Kalchadon" certainly appears probable, so that the former assignment of Boethos to the third century as the author of a group referred to in a passage in Herondas[26] has had to be given up.[27]

Hagesandros, Polydoros, and Athanodoros

The famous group in the Vatican of Laokoon and his sons attacked by two mighty serpents[28] (fig. 763) is described by Pliny[29] as follows: "The Laokoon which stands in the palace of the Emperor Titus, a work to be preferred to all that the arts of painting and sculpture have produced. Out of one block of stone the consummate artists Agesander, Polydorus, and Athenodorus of Rhodes fashioned Laokoon, his sons, and snakes marvelously entwined about them." The names of Athanodoros and Hagesandros occur on inscriptions datable in the first century B.C. and the combination of names suggests a date about 50 B.C.[30] The Laokoon is really constructed of six blocks, but the joints are so carefully concealed that even Michelangelo detected only three. For our right appreciation of the composition we must remember that the right arm of the Laokoon and of the smaller son are restorations; they should be bent above the heads. The group was discovered in A.D. 1506 in the palace of Titus, and has ever since evoked admiration. Michelangelo considered it the greatest work of sculpture ever produced, and Lessing made it the theme for a treatise on the principles of art. Though we today with our enlarged knowledge of earlier Greek sculpture would hardly concur with these opinions, it must be admitted that it is a magnificent sculptural creation, superbly modeled. The occasional overemphasis in the forms (such as the strong marking of the pads of fat below the kneecap which in reality hardly show when the leg is flexed[31]) do not take away from the splendid effect of the whole. And those who object to the "insufficient restraint" in the expression of physical suffering should compare the Renaissance copy by Bandinelli (fig. 764). Its exaggeration will make one appreciate the essential reserve of the classical work.

---

[17] Furtwängler, *Beschreibung der Glyptothek,* No. 268.

[18] Helbig, *Führer,*^{3} I, No. 867.

[19] *Catalogue Sommaire des Marbres Antiques,* No. 40, p. 3.

[20] *N.H.* XXXIV. 84: Boethi quamquam argento melioris infans vi summa anserem strangulat. The reading of *vi summa* is uncertain, for the word after *infans* is mutilated; as alternative readings have been suggested *amplexando, ex aere, sex annis, sex anno, eximia, eximie,* etc.

[21] Merlin and Poinssot, *Monuments Piot,* 17, 1909, pp. 42 ff.

[22] V. 17. 4.

[23] *Anthol. Palat. Append.* 55, 56; Loewy, *Inschriften,* No. 535.

[24] Kinch, *Bull. de l'Acad. de Copenhague,* 1904, p. 74; Hiller von Gaertringen, *Arch. Anz.,* 1904, XIX, pp. 212–213.

[25] Loewy, *op. cit.,* No. 210.

[26] *Mimes* IV. 31.

[27] On Boethos, cf. also Robert, in Pauly-Wissowa, *Lexikon,* under Boethos.

[28] Amelung, *Die Sculpturen des vaticanischen Museums,* II, No. 74.

[29] *N.H.* XXXVI. 37.

AGASIAS

On the Borghese Warrior in the Louvre[32] (fig. 107) is the inscription: Ἀγασίας Δωσιθέου Ἐφέσιος ἐποίει, "Agasias, the son of Dositheos, the Ephesian, made it."[33] Its date has been a matter of dispute; but it probably belongs to the early part of the first century B.C.[34] Its violent action and realistic modeling have been the subject both of great admiration and of censure. We must regard it as one of the last and finest products of the fully developed naturalism which finally superseded the earlier sense for decoration and design. It shows both the strength and weakness of the new conception—splendid action and anatomical knowledge, but no repose or grandeur.

APOLLONIOS OF ATHENS

The famous torso in the Belvedere of the Vatican[35] (fig. 766) bears the inscription: ʼΑπολλώνιος Νέστορος ʼΑθηναῖος ἐποίει, "Apollonios the son of Nestor an Athenian made it," in letters of the first century B.C.[36] From representations of this statue on Roman coins of Lakedaimon[37] (fig. 756) we can restore the head as turned at a sharp angle. Recently a signature by the same artist (ʼΑπολλώνιος Νέστορος) has been discovered[38] on the thongs of the left hand of the bronze boxer[39] (fig. 765), which indeed bears a striking similarity to the Belvedere Torso, both in the modeling and in the attitude.[40]

---

[30] Amelung, *Die Sculpturen des vaticanischen Museums,* II, pp. 192 f.

[31] Cf. on this point Richer, *Le Nu dans l'art. L'Art grec,* p. 172.

[32] Collignon, *Histoire de la sculpture grecque,* II, pp. 672 f.

[33] Loewy, *Inschriften,* No. 292.

[34] *Ibid.*

[35] Amelung, *op. cit.,* II, No. 3.

APOLLONIOS AND TAURISKOS OF TRALLES

The Farnese Bull in Naples[41] (fig. 767)—a group representing the punishment of Dirke by Amphion and Zethos—was found in A.D. 1456 in the Baths of Caracalla. It is referred to by Pliny:[42] "Asinius Pollio . . . resolved that his gallery should be an object of general interest. In it stand . . . Zethos, Amphion, Dirke, the bull, and the rope—all made of one block of marble and transported from Rhodes, the work of Apollonios and Tauriskos [of Tralles]." Apollonios was a common name and since the birthplace is different we need not connect him with the Apollonios of the torso. As a composition the group violates the fundamental laws adhered to by Greek artists throughout their long career—that a work should be of a unified compact volume.[43] Even the Laokoon and the Borghese Warrior still are faithful to this principle. It is to the lack of this quality that is due the impression of restlessness obtained from the group. Though technically an admirable piece, artistically it represents a low ebb in Greek art.

With these last few names the history of Greek sculpture closes. During the period of the Roman Empire many of the sculptors were doubtless Greeks, but the springs of originality were dry and artists copied the products of their rich heritage. In only a few fields was original work still achieved—portraiture and decorative art—and these belong more properly to a study of Roman art.

---

[36] Loewy, *Inschriften,* No. 343.

[37] Rossbach, *Arch. Anz.,* 1920, pp. 59 f.

[38] Rhys Carpenter, *Apollonios Nestoros, Memoirs of the American Academy in Rome,* VI, 1927, pp. 1 ff., pls. 49–51.

[39] Helbig, *Führer,*^{3} II, No. 1350.

[40] This resemblance has been quite generally observed even before the finding of the inscription; cf., e.g., Rossbach, *op. cit.,* 1920, p. 59.

[41] Ruesch, *Guida del Museo Nazionale di Napoli,* No. 260.

[42] *N.H.* XXXVI. 34.

[43] Cf. on this point Hildebrand, *Das Problem der Form,* p. 89.

BIBLIOGRAPHY

This bibliography is a mere selection of the outstanding works dealing with Greek sculpture. Monographs and articles on special subjects bearing on aspects discussed in the text are referred to in the footnotes.

Periodicals

American Journal of Archaeology. Concord and elsewhere, from 1885.

Annual of the British School at Athens. London, from 1894.

Antike, Die. Berlin and Leipzig, from 1925.

Antike Denkmäler. Berlin, from 1886.

Ἀρχαιολογικὸν Δελτίον. Athens, 1885–1892 and from 1915.

Ἀρχαιολογικὴ Ἐφημερίς. Athens, from 1837.

Archäologische Zeitung. Berlin, 1843–1885.

Athenische Mitteilungen des deutschen archäologischen Instituts. Athens, from 1876.

Ausonia. Rome, from 1906.

Bulletin de correspondance hellénique. Athens and Paris, from 1877; Paris, from 1893.

Dedalo. Milan and Rome, from 1920.

Fondation Eugène Piot, Monuments et mémoires publiés par l'Académie des inscriptions et belles-lettres. Paris, from 1894.

Gazette archéologique. Paris, 1875–1888.

Jahrbuch des deutschen archäologischen Instituts. Berlin, from 1886; with Beiblatt, Archäologischer Anzeiger, from 1889.

Jahreshefte des österreichischen archäologischen Institutes in Wien, with Beiblatt. Vienna, from 1898.

Journal of Hellenic Studies. London, from 1880.

Monumenti antichi, pubblicati per cura della reale Accademia dei Lincei. Milan, from 1890.

Monumenti inediti pubblicati dall'Instituto di corrispondenza archeologica. Rome, Paris, and Berlin, 1829–1891.

Notizie degli scavi di antichità. Accademia dei Lincei. Rome, from 1876.

Revue archéologique. Paris, from 1844.

Works of Reference

Daremberg, C., Saglio, E., Pottier, E., and Lafaye, G., Dictionnaire des antiquités grecques et romaines. Paris, 1877–1919.

Müller, I. von, Handbuch der klassischen Altertumswissenschaft. Munich, various dates.

Roscher, W. H., Ausführliches Lexikon der griechischen und römischen Mythologie. Leipzig, from 1884 (in progress).

Whibley, L., A Companion to Greek Studies. Ed. 3. Cambridge, 1916.

Wissowa, G., Kroll, W., and Witte, K., Paulys Real-Encyclopädie der classischen Altertumswissenschaft. Stuttgart, from 1894 (in progress).

General Works on Greek Sculpture

Brunn, H., Geschichte der griechischen Künstler, I: Bildhauer. Brunswick (Braunschweig), 1852 (reprinted, Stuttgart, 1889).

Chase, G. H., Greek and Roman Sculpture in American Collections. Cambridge (Mass.), 1924.

Collignon, M., Histoire de la sculpture grecque. Paris, 1892–1897.

Ducati, P., L'Arte classica. Turin, 1920.

Gardner, E. A., Handbook of Greek Sculpture. Ed. 2. London, 1915.

Hildebrand, A., Das Problem der Form in der bildenden Kunst. Ed. 3 and 4. Strassburg, 1918.

Kekulé von Stradonitz, R., Die griechische Skulptur. Ed. 3, revised by B. Schröder. Berlin and Leipzig, 1922.

Lawrence, A. W., Classical Sculpture. London, 1929.

Loewy, E., La Scultura greca. Turin, 1911 (German edition, Leipzig, 1911).

—— Die Naturwiedergabe in der älteren griechischen Kunst. Rome, 1900.

Picard, C., La Sculpture antique, I–II. Paris, 1923–1926.

Richer, P., Le Nu dans l'art, II: L'Art grec. Paris, 1926.

Ridder, A. de, and Deonna, W., L'Art en Grèce. Paris, 1924 (English edition, Art in Greece, New York, 1927).

Salis, A. von, Die Kunst der Griechen. Leipzig, 1919.

Springer, A. H., Handbuch der Kunstgeschichte, I: Die Kunst des Altertums. Ed 12, revised by P. Wolters. Leipzig, 1923.

Works Consisting of Illustrations with Brief Text

Arndt, P., Amelung, W., and Lippold, G., Photographische Einzelaufnahmen antiker Sculpturen. Munich, from 1893.

Brunn, H., Bruckmann, F., Arndt, P., and Lippold, G., Denkmäler griechischer und römischer Sculptur. Munich, from 1888.

Bulle, H., Der schöne Mensch, I: Im Altertum. Ed. 3. Munich, 1922.

Reinach, S., Recueil de têtes antiques. Paris, 1903.

—— Répertoire de la statuaire grecque et romaine, I–V. Ed. 2. Paris, 1906–1924.

—— Répertoire de reliefs grecs et romains, I–III. Paris, 1909–1912.

Rodenwaldt, G., Die Kunst der Antike (Hellas und Rom). Berlin, 1927.

Sieveking, J., and Weickert, C., Fünfzig Meisterwerke der Glyptothek König Ludwigs I. Paul Wolters zum siebzigsten Geburtstag dargebracht. Munich, 1928.

Von Mach, E., A Handbook of Greek and Roman Sculpture. To Accompany a Collection of Reproductions (The University Prints). Boston, 1905.

Waldmann, E., Griechische Originale. Ed. 2. Leipzig, 1923.

Catalogues of Stone Sculpture

Amelung, W., Führer durch die Antiken in Florenz. Munich, 1897.

—— Die Sculpturen des vaticanischen Museums, I–II. Berlin, 1903–1908.

Arndt, P., La Glyptothèque Ny-Carlsberg, les monuments antiques. Munich, 1912.

Bieber, M., Die antiken Skulpturen und Bronzen des königl. Museum fridericianum in Cassel. Marburg, 1915.

Blümel, C., Katalog der griechischen Skulpturen des fünften und vierten Jahrhunderts v. Chr. (Staatliche Museen zu Berlin, Katalog der Sammlung antiker Skulpturen, III). Berlin, 1928.

Brants, J. P. J., Description of the Ancient Sculpture Preserved in the Department of Greek and Roman Antiquities of the Museum of Archaeology of Leyden, part I: Statues. The Hague, 1928.

Burlington Fine Arts Club, Exhibition of Ancient Greek Art. London, 1904.

Caskey, L. D., Catalogue of Greek and Roman Sculpture in the Museum of Fine Arts (Boston). Cambridge (Mass.), 1925.

Casson, S., Catalogue of the Acropolis Museum, II: Sculpture and Architectural Fragments. Cambridge, 1921.

Conze, A. C. L., Beschreibung der antiken Skulpturen (Königliche Museen zu Berlin). Berlin, 1891.

Dickins, G., Catalogue of the Acropolis Museum, I: Archaic Sculpture. Cambridge, 1912.

Dütschke, H., Antike Bildwerke in Oberitalien, I–V. Leipzig, 1874–1882.

Friederichs, C., and Wolters, P., Die Gipsabgüsse antiker Bildwerke: Bausteine zur Geschichte der griechisch-römischen Plastik. Berlin, 1885.

Froehner, C. E. L. W., Notice de la sculpture antique du Louvre. Paris, 1869.

Furtwängler, A., Beschreibung der Glyptothek (Munich). Ed. 2. Munich, 1910.

Helbig, K. F. W., Führer durch die öffentlichen Sammlungen klassischer Altertümer in Rom, I–II. Ed. 3. Leipzig, 1912–1913.

Jones, H. S. (Editor), A Catalogue of the Sculptures of the Museo Capitolino. Oxford, 1912.

Jones, H. S. (Editor), A Catalogue of the Sculptures of the Palazzo dei Conservatori. Oxford, 1926.

Kastriotes, P., *Γλυπτὰ τοῦ Ἐθνικοῦ Μουσείου*. Athens, 1908.

Kavvadias, P., *Γλυπτὰ τοῦ Ἐθνικοῦ Μουσείου, Κατάλογος Περιγραφικός*. Athens, 1890–1892.

Kieseritzky, G., Sculptures in the Hermitage (In Russian). St. Petersburg, 1901.

Mendel, G., Catalogue des sculptures: grecques, romaines et byzantines, aux Musées impériaux Ottomans, I–III. Constantinople, 1912–1914.

Milani, L. A., Il Reale Museo archeologico di Firenze, I–II. Florence, 1912.

Papaspiridi, S., Musée National (Athens), Guide: marbres, bronzes, et vases. Athens, 1927.

Pryce, F. N., Catalogue of Sculpture in the Department of Greek and Roman Antiquities of the British Museum, I, part I: Prehellenic and Early Greek. London, 1928.

Ruesch, A., and others, Guida illustrata del Museo Nazionale di Napoli. Naples [no date].

Schede, M., Griechische und römische Skulpturen des Antikenmuseums (Meisterwerke der türkischen Museen zu Konstantinopel, I). Berlin and Leipzig, 1928.

Smith, A. H., Catalogue of Greek Sculpture in the British Museum, I–III. London, 1892–1904.

Staïs, V., Guide illustré du Musée national d'Athènes: marbres et bronzes. Ed. 2. Athens, 1910.

Svoronos, J. N., Das athener Nationalmuseum. German edition by W. Barth, I–III. Athens, 1908–1913.

Tod, M. N., and Wace, A. J. B., Catalogue of the Sparta Museum. Oxford, 1906.

Waldhauer, O., Archäologische Mitteilungen aus russischen Sammlungen, I: Die antiken Skulpturen der Ermitage, I. Berlin and Leipzig, 1928.

Works Relating to Special Periods or Classes of Monuments

Buschor, E., and Hamann, R., Die Skulpturen des Zeustempels zu Olympia. Marburg, 1924.

Conze, A. C. L., Die attischen Grabreliefs. Berlin, 1890–1922.

Deonna, W., Les "Apollons archaïques." Geneva, 1909.

Dickins, G., Hellenistic Sculpture. Oxford, 1920.

Furtwängler, A., Masterpieces of Greek Sculpture. Edited by E. Sellers. London and New York, 1895.

—— Über Statuenkopieen im Alterthum. Munich, 1896.

Heberdey, R., Altattische Porosskulptur. Vienna, 1919.

Hyde, W. W., Olympic Victor Monuments and Greek Athletic Art. Washington, 1921.

Joubin, A., La Sculpture grecque, entre les guerres médiques et l'époque de Périclès. Paris, 1901.

Katterfeld, E., Die griechischen Metopenbilder. Strassburg, 1911.

Kjellberg, E., Studien zu den attischen Reliefs des V. Jahrhunderts. Uppsala, 1926.

Lange, J. H., Darstellung des Menschen in der älteren griechischen Kunst. Translated from the Danish by M. Mann. Strassburg, 1899.

Langlotz, E., Zur Zeitbestimmung der strengrotfigurigen Vasenmalerei und der gleichzeitigen Plastik. Leipzig, 1920.

—— Frühgriechische Bildhauerschulen. Nuremberg, 1927.

Lawrence, A. W., Later Greek Sculpture. New York, 1927.

Lechat, H., Au Musée de l'Acropole d'Athènes: études sur la sculpture en Attique. Lyons and Paris, 1903.

Lermann, W., Altgriechische Plastik. Munich, 1907.

Lippold, G., Kopien und Umbildungen griechischer Statuen. Munich, 1923.

Loewy, E., Typenwanderung. In Österreichische Jahreshefte, XII. Vienna, 1909.

Müller, V., Frühe Plastik in Griechenland und Vorderasien. Augsburg, 1929.

Perrot, G., In Perrot and Chipiez, Histoire de l'art dans l'antiquité, VIII: La Grèce archaïque: la sculpture. Paris, 1903.

Poulsen, F., Der Orient und die frühgriechische Kunst. Leipzig and Berlin, 1912.

Praschniker, C., Parthenonstudien. Augsburg and Vienna, 1928.

Richter, G. M. A., Animals in Greek Sculpture. Oxford (in press).

Rodenwaldt, G., Das Relief bei den Griechen. Berlin, 1923.

Schrader, H., Auswahl archaischer Marmor-skulpturen im Akropolismuseum. Vienna, 1913.

Smith, A. H., Sculptures of the Parthenon. London, 1910.

Wiegand, T., and others, Die archaische Poros-Architektur der Akropolis zu Athen. Cassel and Leipzig, 1904.

Portraiture

Bernoulli, J. J., Griechische Ikonographie, I–II. Munich, 1901.

Brunn, H., Bruckmann, F., Arndt, P., and Lippold, G., Griechische und römische Porträts. Munich, from 1891 (in progress).

Delbrück, R., Antike Porträts. Bonn, 1912.

Hekler, A., Die Bildniskunst der Griechen und Römer. Stuttgart, 1912 (English edition, London, 1912).

Lippold, G., Griechische Porträtstatuen. Munich, 1912.

Pfuhl, E., Die Anfänge der griechischen Bildniskunst. Munich, 1927.

Poulsen, F., Greek and Roman Portraits in English Country Houses. Translated by G. C. Richards. Oxford, 1923.

Bronzes and Terracottas

Babelon, E., and Blanchet, J. A., Catalogue des bronzes antiques de la Bibliothèque nationale. Paris, 1895.

Deonna, W., Les Statues de terre cuite dans l'antiquité. Paris, 1908.

Hutton, C. A., Greek Terracotta Statuettes. London, 1899.

Kekulé von Stradonitz, R. (Editor), Die antiken Terrakotten, II: Die Terrakotten von Sicilien, by the Editor; III, 1–2: Die Typen der figürlichen Terrakotten, by F. Winter. Berlin and Stuttgart, 1884, 1903.

Kekulé von Stradonitz, R., and Winnefeld, H., Bronzen aus Dodona in den Königlichen Museen zu Berlin. Berlin, 1909.

Kluge, K., and Lehmann-Hartleben, K., Die antiken Grossbronzen, I–III. Berlin and Leipzig, 1927.

Köster, A., Die griechischen Terrakotten. Berlin, 1926.

Lamb, W., Greek and Roman Bronzes. London, 1929.

Levi, A., Le Terrecotte figurate del Museo Nazionale di Napoli. Florence, 1926.

Neugebauer, K. A., Antike Bronzestatuetten. Berlin, 1921.

Pottier, E., Les Statuettes de terre cuite dans l'antiquité. Paris, 1890.

Pottier, E., and Reinach, S., Terres cuites de Myrina. Paris, 1886.

—— La Nécropole de Myrina, I–II. Paris, 1887.

Richter, G. M. A., Greek, Etruscan, and Roman Bronzes in The Metropolitan Museum of Art. New York, 1915.

Ridder, A., de, Catalogue des bronzes de la Société archéologique d'Athènes. Paris, 1894.

—— Catalogue des bronzes trouvés sur l'Acropole d'Athènes. Paris, 1896.

—— Bronzes antiques du Louvre, I–II. Paris, 1913–1915.

Sieveking, J., Die Bronzen der Sammlung Loeb. Munich, 1913.

—— Die Terrakotten der Sammlung Loeb, I–II. Munich, 1916.

Walters, H. B., Catalogue of the Bronzes in the Department of Greek and Roman Antiquities in the British Museum. London, 1899.

—— Catalogue of the Terracottas in the Department of Greek and Roman Antiquities, in the British Museum. London, 1903.

—— Select Bronzes, Greek, Roman, and Etruscan, in the British Museum. London, 1915.

Coins and Gems

Babelon, E., Traité des monnaies grecques et romaines. Paris, from 1901 (in progress).

Beazley, J. D., The Lewes House Collection of Ancient Gems. Oxford, 1920. (The collection is now in the Museum of Fine Arts, Boston.)

British Museum Catalogues of Greek Coins. London, various dates.

Furtwängler, A., Die antiken Gemmen: Geschichte der Steinschneidekunst im klassischen Altertum. Leipzig and Berlin, 1900.

Gardner, P., The Types of Greek Coins. Cambridge, 1883.

Head, B. V., Historia numorum. Ed. 2. Oxford, 1911.

Hill, G. F., Select Greek Coins: A Series of Enlargements Illustrated and Described. Paris and Brussels, 1927.

Imhoof-Blumer, F., and Gardner, P., Numismatic Commentary on Pausanias. Reprinted from the Journal of Hellenic Studies, VI–VIII. London, 1885–1887.

Imhoof-Blumer, F., and Keller, O., Tier- und Pflanzenbilder auf Münzen und Gemmen des klassischen Altertums. Leipzig, 1889.

Lippold, G., Gemmen und Kameen des Altertums und der Neuzeit. Stuttgart, no date.

Regling, K., Die antike Münze als Kunstwerk. Berlin, 1924.

Richter, G. M. A., Catalogue of Engraved Gems of the Classical Style in The Metropolitan Museum of Art. New York, 1920.

Walters, H. B., Catalogue of the Engraved Gems and Cameos, Greek, Etruscan, and Roman, in the British Museum. London, 1926.

Technique

Blümel, C., Griechische Bildhauerarbeit. Jahrbuch des deutschen archäologischen Instituts, Ergänzungsheft, XI. Berlin and Leipzig, 1927.

Blümner, H., Technologie und Terminologie der Gewerbe und Künste bei Griechen und Römern, III, pp. 1 ff., pp. 187 ff. Leipzig, 1884.

Lepsius, R., Griechische Marmorstudien. Berlin, 1890.

Excavations and Topography

Aigina—Furtwängler, A., and others, Aegina: das Heiligtum der

Aphaia, unter Mitwirkung von E. Fiechter und H. Thiersch. Munich, 1906.

Argos—Waldstein, C., The Argive Heraeum, I–II. Cambridge (Mass.), 1902–1905.

Assos—Bacon, F. H., and others, Investigations at Assos. Cambridge (Mass.), 1902–1921.

Athens—Judeich, W., Topographie von Athen (I. von Müller, Handbuch der klassischen Altertumswissenschaft, III, part 2, second half). Munich, 1905.

D'Ooge, M. L., The Acropolis of Athens. New York and London, 1908.

Paton, J. M. (Editor), The Erechtheum, Measured, Drawn, and Restored by G. P. Stevens; Text by L. D. Caskey, H. N. Fowler, J. M. Paton, G. P. Stevens. Cambridge (Mass.), 1927.

Delphi—Homolle, T., and others, Fouilles de Delphes, IV: Monuments figurés: Sculpture. Paris, 1904–1928.

Bourguet, E., Les Ruines de Delphes. Paris, 1914.

Poulsen, F., Delphi. Translated by G. C. Richards. London, 1920.

Eleusis—Noack, F., Eleusis, Die baugeschichtliche Entwicklung des Heiligtumes; mit Beiträgen von J. Kirchner, A. Körte, und A. K. Orlandos. Berlin and Leipzig, 1927.

Ephesos—Forschungen in Ephesos (Österreichisches archaeologisches Institut in Wien). Vienna, from 1906 (in progress).

Hogarth, D. G., and others, Excavations at Ephesus. London, 1908.

Epidauros—Cavvadias, P., Fouilles d'Épidaure. Athens, 1891.

Lechat, H., Épidaure, Restauration et description des principaux monuments du Sanctuaire d'Asclépios. Paris, 1895.

Gjölbaschi-Trysa—Benndorf, O., Das Heroön von Gjölbaschi-Trysa. Jahrbuch der kunsthistorischen Sammlung des allerhöchsten Kaiserhauses, IX (1889), XI (1890), XII (1891).

Greece—Anderson, W. J., and Spiers, R. P., The Architecture of Ancient Greece. Revised and rewritten by W. B. Dinsmoor. New York and London, 1927.

Robertson, D. S., A Handbook of Greek and Roman Architecture. Cambridge, 1929.

Halikarnassos (The Mausoleum)—Newton and Pullan, A History of Discoveries at Halicarnassus, Cnidus, and Branchidae. London, 1862–1863.

Olympia—Curtius, E., and Adler, F., Olympia, Die Ergebnisse der von dem deutschen Reich veranstalteten Ausgrabung, III, by G. Treu. Berlin, 1897. IV, by A. Furtwängler. Berlin, 1890.

Gardiner, E. N., Olympia, Its History and Remains. Oxford, 1925.

Pergamon—Altertümer von Pergamon. Berlin, from 1885 (in progress).

Phigaleia (Bassae)—A Description of the Collection of Ancient Marbles in the British Museum, IV. London, 1820.

Stackelberg, O. M. von, Der Apollotempel zu Bassae in Arcadien und die daselbst ausgegrabenen Bildwerke. Rome, 1826.

Priene—Wiegand, T., and Schrader, H., Priene, Ergebnisse der Ausgrabungen und Untersuchungen in den Jahren 1895–1898. Berlin, 1904.

Selinus—Benndorf, O., Die Metopen von Selinunt, mit Untersuchungen über die Geschichte, die Topographie, und die Tempel. Berlin, 1873.

Sidon—Hamdy Bey, O., and Reinach, T., Une Nécropole royale à Sidon. Paris, 1892–1896.

Tegea—Dugas, C., and others, Le Sanctuaire d'Aléa Athéna à Tégée au IV siècle. Paris, 1924.

Greek Life

Gardiner, E. N., Greek Athletic Sports and Festivals. London, 1910.

Glotz, G., Le Travail dans la Grèce ancienne. Paris, 1920 (English edition, Ancient Greece at Work, translated by M. R. Dobie, New York, 1926).

Livingstone, R. W., The Greek Genius and Its Meaning to Us. Oxford, 1912.

Mommsen, A., Feste der Stadt Athen im Altertum. Leipzig, 1898.

Schröder, B., Der Sport im Altertum. Berlin, 1927.

Sittl, C., Die Gebärden der Griechen und Römer. Leipzig, 1890.

Thomson, J. A. K., Greeks and Barbarians. London and New York, 1921.

Zimmern, A. E., The Greek Commonwealth: Politics and Economics in Fifth-Century Athens. Ed. 4. Oxford, 1924.

Greek History

Bury, J. B., History of Greece to the Death of Alexander the Great. Ed. 2. London, 1913.

Cambridge Ancient History, IV–VII; Plates, I–II. Cambridge, 1926–1928.

Hatzfeld, J., Histoire de la Grèce ancienne. Paris, 1926.

Rostovtzeff, M., A History of the Ancient World, I: The Orient and Greece. Translated by J. D. Duff. Oxford, 1926.

Ancient Sources

The earliest works on Greek sculpture took the form of practical treatises by artists interested in proportion. The best known of these was the "Canon" of Polykleitos, mentioned by Galen (p. 246). Vitruvius gives a list of writers who "drew up rules on proportion" (p. 117), among whom is the famous Euphranor (p. 284). But nothing remains of these treatises. The successors of Aristotle seem to have collected chiefly biographical material, and many of the "anecdotes" told of Greek artists are probably derived from this time. A few sculptors of the third century, such as Xenokrates and Antigonos, are quoted by Pliny as authorities on sculpture, but again none of their writings remain. The authors of the Roman period drew their material from Greek literature, and without their writings our knowledge of the sculptors and the lost sculptures of the Greeks would remain very scanty. Our chief sources are Pliny's *Natural History* and Pausanias' *Description of Greece.* Quintilian, Vitruvius, and Strabo furnish information relating to our subject, and much that is valuable may be gleaned from literary writers and compilers of the late Roman period. Some collections of passages from ancient authors relating to art are here listed, together with serviceable editions of the more important extant authors.

Jones, H. S., Select Passages from Ancient Writers Illustrative of the History of Greek Sculpture. London and New York, 1895.

Loewy, E., Inschriften griechischer Bildhauer. Leipzig, 1885.

Lucian, Εἰκόνες. The Loeb Classical Library. Lucian, IV. New York and London, 1925.

Overbeck, J. A., Die antiken Schriftquellen zur Geschichte der bildenden Künste bei den Griechen. Leipzig, 1868.

Oxyrhynchus Papyri, The. Edited by B. P. Grenfell and A. S. Hunt. London, from 1898.

Pausanias, Description of Greece. Translated with Commentary by J. G. Frazer, I–VI. Ed. 2. London, 1913.

Pliny the Elder, Chapters on the History of Art. Translated by K. Jex-Blake with a Commentary by E. Sellers. London, 1896.

Vitruvius, The Ten Books on Architecture. Translated by M. H. Morgan. Cambridge (Mass.), 1914.

INDEX TO THE TEXT

Italic numbers indicate the most important references; n. stands for footnote. For museums see names of cities.

ACHARNAI, 47
Achilles, with gods, by Skopas, 274 n.; with Troilos, 5, 120–121 n.
Achilles painter, 103
Action, early statues expressing, 206
Ada, 269 n.
Adeimantos, 40, 198
Adorans, in the Metropolitan Museum, 55
Aeakes of Samos, statue dedicated by, 39
Aëtion, 156
Aetna, coin of, 40
Agasias, 15, 49, 298
Agathon, stele of, 46
Ageladas, 196, 205, 213, 244; date of, 196 n.
Agesander, *see* Hagesandros
Agias, 47, *286–287*
Agorakritos, 9, 42–43, 235, *238–240*
Aigina, sculptures of the temple at, 7, 39, 65, 67, 68, 69, 77–78, 122–123, 145, 147, 148, 151, 158; color of, 151 n.; warrior from, and forgery, 183–184
Aigisthos, *see* Elektra
Aigospotamoi, 10, 252, 267 n.
Aischylos, 8, 22
Ajax, statuette of, 69
Akarnanians, 242
Akragas, coins of, 115
Akrolithic, Apollo, by Pythagoras, 201 n.; statues, 140; statue by Leochares, 140 n.; statue by Pheidias, 140 n.
Akropolis, entrance of, 9, 10; head of Ariadne(?) from, 180; horses from, 111; private dedications on, 7; sculpture from, *see* Athens, Akropolis Museum; statues set up on, by Attalos I, 49
Aktaion, on krater in Boston, 97; on Selinus metope, 127–128
Aleos, 268
Alexander the Great, 12, 47, 197, 267 n., 282, 285, *289–290;* Azara bust of, 290; bust of, in Guimet Museum, 290; head of, in British Museum, 290; statuette of, in Paris, 59; sarcophagus of, *see* Sidon
Alexandria, as center of art, 13
Alexias, 231
Alkamenes, 9, 29, 159, *235–238*
Alkestis, led by Hermes, 271
Alkibiades, 273
Alkmene, statue of, by Kalamis, 204
Alpheios, 67
Altar of Zeus and Athena, *see* Pergamon
Alxenor, stele by, 39, 132, 168
Amastris, bronze coin of, 288
Amazon, with Herakles on Selinus metope, 127; attributed to Kresilas, 42, 227, 234, 249; attributed to Pheidias, 42, 227–228, 249; attributed to Polykleitos, 42, 249–250; by Strongylion, 244; in the Thebes Museum, 66
Amazons, 14, 31, 49; dress of, 91; on Mausoleum frieze, 270
Amber, 140
Amphion, 299
Amymone, 103, 173, 187–188
Anadoumenos, by Pheidias, 228–229
Anaxagoras, 232
Anaxilas of Rhegion, 199
Androsthenes, 253 n.
Animal sculpture, development of, 109–116
Antaios, 295
Antenor, 39, 147, 196, 197
Antikyra, coins of, 262
Antioch, 14, 48, 281
Antiocheia, by Eutychides, 13–14, 48, 292–293
Antiochos I, 48, 197
Antiochos III, 84
Antiochos (IV) Epiphanes, 297; coins of, 281
Antipatros, 250
Anytos, 296
Anzio, girl from, 107, 146–147
Apellas, 253 n.
Apelles, 156
Aphaia, temple of, at Aigina, *see* Aigina
Aphrodisias(?), stater of, 45, 104
Aphrodite, at Amyklai, 251; Anadyomene, 58; of Arles, 265; Bartlett, 75,

76, 81; in British Museum, 58; in Haviland Collection, 58; in the Gardens, 237; dedicated by Kallias, 203; of Knidos, 12, 46, 58, 143, *258–260;* from Kyrene, 58; on the Ludovisi relief, 77, 169; of Melos, 49, 146–147, 185–186; Ourania, by Pheidias, 222, 229; Pandemos, 272; at Pergamon, 274 n.; with Pothos, 274 n.; by Skopas, 274 n.; on stater of Aphrodisias(?), 45, 104; of Thespiai, 265 n.

Apollo, at Agrigentum, 209; Alexikakos, 202, 203; at Apollonia, 203; Belvedere, 284; Daphnephoros, temple of, 7, 38; at Ephesos, 209; Epikourios, temple of, *see* Phigaleia; in group, at Delphi, by Pheidias, 229; by Kalamis, 160; Kitharoidos, 281; on Mantineia base, 262–263; with Leto and Artemis, 251, 273; and Nymphs, relief dedicated to, 40; at Olympia, 74; of the Palatine, 272–273; on the Parthenon frieze, 172; by Pheidias, 229; at Rhamnous, 274 n.; Sauroktonos, 46, 58, *260–261;* shooting the serpent, 200, 201; on Siphnian Treasury (frieze), 166, (pediment), 121; Smintheus, 272; by Telephanes, 253; temple of, at Bassae, 10, *see also* Phigaleia; temple of, at Delphi, 11, 38–39, 122, 158, 202 n.; *see also* "Omphalos Apollo"

"Apollo," from Attica, 37, 54, 73; from Boeotia, 6, 38, 54; at Cassel, 79, 211; in London, 53; of Melos, 23, 27, 37, 54; from Orchomenos, 36, 53; from Sounion, 5, 36, 53, 73; Strangford, 39, 54; of Tenea, 24, 36, 54, 73; from the Tiber, 55, 229; from Volomandra, 37, 54

Apollonia, coins of, 203

Apollonios, of Athens, 15, 50, 298–299; of Tralles, 49, 299

"Apollos," 6, 23, 51 n., 195

Apoxyomenos, 47, 59, 286, 287

Archaistic sculpture, 182–183, 185

Ares, by Alkamenes, 236; colossal, by Leochares, 284; Ludovisi, 274; on Parthenon frieze, 172; by Skopas, 274, 274 n.

Argos, athlete from, 6; *see also* Biton; coins of, 248, 252, 262; head from, 75, 79; temple of Hera at, 10, 43, 102, 252

Aristandros of Paros, 267 n.

Aristion, statue of, by Polykleitos, 244–245, 250; stele of, 38, 132, 166–167, 196

Aristodemos, 290

Aristogeiton, 96, 197–199

Aristokles, 253 n.; stele by, 38, 132, 166–167, 196

Ariston, 244

Aristonautes, monument of, 152

Aristophanes, 11; vase painter, 103

Aristotle, 12, 18, 22, 23, 83

Arkesilaos, 141

Armature, 140, 141

Artemis, of Antikyra, 262; archaistic, 182; with Asklepios on votive relief, 47; Brauronia, 265 n.; Eukleia, 274 n.; of Gabii, 265; on krater in Boston, 97; at Lykosoura, 296; on Parthenon frieze, 172; on Siphnian frieze, 166; by Strongylion, 244; temple of, at Ephesos, *see* Ephesos; temple of, at Sardes, 12; by Timotheos, 278; of Versailles, 262

Artemisia, 46, 104, 107, 269–270

Artemon, 251

Asklepios, by Alkamenes, 236; with Artemis on votive relief, 47, 105; as a child, 297; with Hygieia, 268, 274 n., 281; statue of, by Kalamis, 204; at Tegea, 268; temple of, at Epidauros, 11, 45, 104, 125, 160, *274–278,* 281–282; by Thrasymedes, 281–282; in Troezen, 278

Aspasia, 232

Aspasios gem, 217

Assos, reliefs from temple at, 5, 126, 130

Astylos, statue of, 200

Atalante, 268, 269

Athanodoros, 15, 50, 298

Athena, Alea, temple of, at Tegea, 45, 125, 267, *268–269;* archaistic, 185; birth of, 31, 33, 124; bronze, *see* Athena Promachos; by Endoios(?), 38, 60, 196, 268; from Eretria pediment, 96; and giant, from "Hekatompedon," 121–122; on Selinus metope, 127; in group at Delphi, 30, 33, 229; at Samos, 209; head of, in Berlin, 153; with Herakles in relief, by Alkamenes, 235–236; Itonia, by Agorakritos, 240; by Kephisodotos, 256; Lemnia, 42, 79, *225–226;* Lenormant, 216; with Marsyas, 41, 207–208, small size of, 208 n.; Medici, 105, 226, 280; mourning, 41, 80; Nike, sculptures from temple of, 10, 33, 43, 100, 101–102, 103, 181; old temple of, at Athens, 5, 121–122, *see also* "Hekatompedon"; from Olympia metopes, 66, 96, 105, 178–179; on Parthenon frieze, 172; Parthenos, 9, 42, 105, 139, 153, 178, 213, *215–217,* 221–

222; at Pelene, by Pheidias, 213, 229; at Plataia, by Pheidias, 229; with Poseidon, on Parthenon pediment, 124; Promachos, 8, 29, 33, *214–215;* Pronaia, 274 n.; on Selinus metope, 127; on Siphnian Treasury, 121; at Knidos, by Skopas, 274 n.; statue of, at Tegea, 268; on temple of Aphaia, 122–123; with Theseus, 127; Velletri, 234; and Zeus, altar of, *see* Pergamon

Athenians, class distinctions of, 20; Treasury of, at Delphi, 7, 39, 68, 94, 96, 126–127

Athens, civic ideal of, 16–17; coins of, with Athena Parthenos, 217; coins of, with Athena Promachos, 214–215; coins of with Eirene, 255; early temples in, 5; Peisistratos tyrant of, 4; reduced to city state, 10; relief of treaty of, with Kerkyra, 45; war of, with Peloponnese, 10–11, 220

Athens, Museums, Akropolis Museum, "Akropolis Youth," 40, 55, 199, Athena, by Endoios(?), 38, 60, 196, Athena Nike balustrade reliefs, 44, 100–101, 102, 179–180, 181, "Blond Boy," 40, 74, "Bluebeard" pediment, 5, 36, 120, 149, 158, bull and lioness on pediment, 120, bull and lions on pediment, 5, 120, 149, calf-bearer, 5, 27, 36, cow, on Parthenon frieze, 113, 171, Erechtheion frieze, 44, 101, 138, 142–143, 160, 173, 280, Euthydikos maiden (La Boudeuse), 40, 74, 158, "Hekatompedon," marble pediments of, 38, 67, 121–122, Herakles and Triton pediment, 5, 36, 120, 149, 158, Hermes, on relief, 39, 94, horses, 40, 111, Hydra pediment, 5, 36, 119–120, 149, 158, "Introduction" pediment, 5, 36, 120, 149, maiden, by Antenor(?), 39, 146 n., 147, 196, maidens, 37, 38, 72, 91, 93–94, 147, 147 n., 150, 157, 186, Medusa, head of, 77, mounting charioteer, 39, 94–95, 167, Mourning Athena, 41, 80, 169, 187, Parthenon frieze, 113, 130, 131, *171–172,* 230–231, record relief, 48, scribe, 151; Kerameikos, Agathon, stele of, 46, bull, 47, Demetria and Pamphile, stele of, 47, Dexileos, stele of, 45, dog, 47, 114, 115, Korallion, stele of, 46, stelai, 145; National Museum, Alxenor, stele by, 39, 132, 168, Amazon from Loukou, 228, "Apollo," from Boeotia, 38, 54, from Melos, 23, 27, 37, 54, from Orchomenos, 36, 53, from Ptoan sanctuary, 6, from Sounion, 5, 36, 53, 73, from Volomandra, 37, 54, archaic bronze statuette, 183, Argive Heraion, heads from, 75, 79, 252, Ariadne(?), head of, 180, Aristion, stele of, 38, 132, 166–167, 196, Aristokles, *see* Aristion, Aristonautes, stele of, 152, Bryaxis, base signed by, 279–280, Delos, head from, 147 n., portrait head from, 49, 84, Diadoumenos, from Delos, 56, 178, 247, Dipylon head, 71, Diskobolos, torso of, 206, Doryphoros, relief with, 245, Eleusinian relief, 169, 180, 229, Epidauros, sculptures from temple at, 11, 45, 64, 104, 125, 160, 269, *274–278,* "Eubouleus," heads, 181, 265–266, female head, 153, goats, butting, 114, Hegeso relief, 45, 103, 133, 164, Hermes Kriophoros, relief with, 204, Lenormant Athena, 216, 217, Lykosoura, sculptures from temple at, 14, 49, 296, maiden, head of, 184–185, Mantineia base, 46, 105, *262–263,* 280, Marathon Boy, 46, 58, 75, marble vase with Athena and Marsyas, 207, Nemesis at Rhamnous, sculptures from base of, 240, 280, Nikandre, statue dedicated by, 35, 93, Nike, from Delos, 36, 62, 72 n., 195 n., perhaps from "Theseion," 279–280, statuette of, 62, "Omphalos Apollo," 41, 55, 201, 204, Phaidimos, base signed by, 196, Plangon, stele of, 82, Ploutos, 256, Poseidon, statue of, 59, Prokleides, stele of, 152, pyxis with Maenads, 181, record relief, 45, statue bases, 39, 95–96, 114, 151, 168, 196 n., Tegea, sculptures from temple at, 11, 45, 81, 125, *268–269,* Themis, 49, 107, Thermos, metopes from temple at, 125–126, unfinished statues in, 141, 144, Varvakeion Athena, 216, warrior, running, on relief, 168, from Sparta, 39, 65, youth, running, statuette of, 62–63, stele of, from Sounion, 169, Zeus, painting of, from Eleusis, 219; Numismatic Museum, coin of Athens with Athena and Marsyas, 207

Athlete, by Alkamenes, 236; Argive, 6, *see also* Biton; head of, in Metropolitan Museum, 79; grave relief of, 169

Athletes, statues of, 5, 209

Athletics, 4, 17–18, 29

Attalos I, king of Pergamon, 14, 49; visit of, to Akropolis, 14

Attic tombstone, 125

Augustus, statue of, from Primaporta, 153

Auxerre, draped woman formerly in, 35, 93, 95
Azara bust, 290

BACKGROUND plane, 167
Baktria, 49
"Balustrade," *see* Athena Nike
Bands, on garments, 92
"Barbarians," dress of, 91
"Barberini Suppliant," 180
Bartlett head, 75, 76, 81
Bassae, temple of Apollo at, 10; *see also* Phigaleia
Bee, on coin of Ephesos, 116
Beethoven, head of, by Bourdelle, 21
Bellerophon, 281
Belt, 88, 91, 99
Belvedere Torso, 15, 50, 61, 298–299
Berlin, Museums, Kaufmann Collection, head of Knidian Aphrodite, 260; Staatliche Museen, akroterion in, 80, Amazon by Polykleitos(?), 227, *249–250,* Amymone, on gem, 187–188, Ariadne(?), head of, 180, Athena Parthenos, head of, 153, 216–217, coin, of Antikyra, with Artemis, 262, of Apollonia, with Apollo, 203, of Epidauros, with Asklepios, 281–282, of Kroton, with Apollo, 201, of Parion, with Eros, 261, Dodona, statuettes from, 65, forgeries in storeroom of, 188, girl with casket, stele of, 41, 132, Ilissos temple frieze, 41, 63, 130, kylix with foundry, 137, lion, 110, man, head of, 74, mirror with Ganymede and eagle, 283–284, mourning women, 80, muse, 108, oinochoë with Athena and Marsyas, 207, Pergamon, Athena Parthenos from, 217, sculptures from altar at, 14, 49, 76, 83, 107, 131–132, 174, praying boy, 59, 291–292, seated goddess, 40, 60, 74, 96, 151, Sparta, relief from, 6, 24, 166, standing maiden, 36, 71, 74, 93, 150–151, vase by Makron, 97, 181, Zeus, on gem, 219
Berlin painter, 170
Birds, 115–116
Biton, 5, 6, 36, 53, 71, 73, 74, 195
"Blond Boy," 40, 74
"Bluebeard" pediment, 5, 36, 120, 158
Boar, 113
Boethos, 297
Bologna, Museo Civico, head of Athena (Lemnia), 79, 226; vase with Athena, 226 n.
Bone, 147
Boreas, 32
"Borghese Altar," 182
Borghese Warrior, 15, 49, 66, 298
Bosphorus, Greek cities founded near the, 3
Boston, Museum of Fine Arts, Assos, reliefs from temple at, 130; Bartlett head, 75, 76, 81; Chios head, 75, 81, 146, 265–266; coin of Ephesos with bee, 116; Dexamenos gem, 83; gem with heron, 116; girl with mirror, stele of, 187; Herakles, 55, 211; Homer, bust of, 50, 84; krater by Pan painter, 97; kylix by Douris, 97; lekythos, 174; limestone head, 73; lion, 109–110; Menander, 267; siren, weeping, 82; three-sided relief, 40, 77, 78, 80, 96, 145, 169, 190–191, "throne," *see* three-sided relief; woman, torso of, 107; youth, standing, 145; Zeus of Mylasa, 145, 219
Boston phiale painter, 103, 173
"Boudeuse, La," 74, *see also* Euthydikos maiden
Bourdelle, head of Beethoven by, 21
Bow-drill, used in Egypt, 144 n.
Boy, by Berlin painter, 170; extracting a thorn from his foot, 61–62, 82; from Marathon, 46, 58, 75; strangling goose, 297
Branchidai, relief from, 165; statues from, 60, 195; *see also* Didyma
Brescia, Museo Bresciano, head in, 74; Nike of, 106
Bronze, 135–137; added to stone statues, 147–148; Aiginetan composition of, 210; alloys of, 210 n.; Athena, *see* Athena Promachos; boxer, 15, 50, 61, 299; cow, in Cabinet des Medailles, 113; Delian composition of, 210; favorite material of Lysippos, 287; foundry on vase, 137; head of horse in Florence, 112; inserts in Delphi charioteer, 147 n.; molten, first casting in, 136 n.; plates on statue in Louvre, 136 n.; seated figure in British Museum, 108; statuette in Athens, 183; statuette in Bibliothèque Nationale, 183; statuette in British Museum, 182, 183; used by Polykleitos, 251
Brooch, 88, 90
Broom Hall, relief in, 91
Brunelleschi, 161 n.
Brussels, Musées royaux du Cinquantenaire, head of Knidian Aphrodite, 259
"Bruti Puer," 244
Bryaxis, 269, 279–281
Brygos painter, 97, 170

Budapest, Museum der Bildenden Künste, female figure, 64
Bull, 5, 112–113; in the Kerameikos, 47
Bulls, by Myron, 209
Button, 90

CALF-BEARER, 5, 27, 36
Cambridge (Mass.), Fogg Museum, Meleager, 274
Cameo, in Venice, 76
Campania, founding of Greek colonies in, 3
Candia, Museum, sculptures from Prinias, 35, 60, 111, 170
Canon of proportion, 57; of Lysippos, 286; of Polykleitos, 245–247
Cape Mykale, religious center in, 4, 7
Caricature, in Metropolitan Museum, 82
Carrara marble, 138
Carthage, 6, 7, 40
"Cassel Apollo," 79, 211
Cassel, Königliches Museum Fridericianum, "Apollo," 79, 211; head of Diadoumenos, 247
Casting, 136–137
Casts, used by Lysistratos, 140, 292
Cat-and-dog fight, 39, 114
Catatexitechnus, 241
Cellini, 165 n.
Cement, 146
Centaurs, 31, 32, 78, 123, 128–129
Chairedemos, 243
Chairestratos, statue dedicated by, 49, 107
Chalkidike, founding of colonies in, 3
Chalkis, 3
Chalkis, Museum, Eretria, sculptures from the temple at, 7, 38, 96, 97, 158
Chares, of Lindos, 293; statue of, 5, 6, 37, 93, 95
Chariot, by Pythis, 270; groups by Kalamis, 202, 204; group by Pythagoras, 200
Charioteer, at Delphi, 8, 41, 74, 75, 97, 137, 147 n.; mounting, on frieze, 39, 94–95, 167
Charioteers, on Mausoleum frieze, 271; on Parthenon frieze, 130
Chariots, procession of, from Xanthos, 130
Cheramyes, Hera dedicated by, 37
Cherchel, Musée des Antiquités, Demeter, 229
Chiaramonti Niobid, 180
Chigi pedestal, 182
Chimaira, 32, 281
Chios, head from, 75, 81, 146, 265
Chisels, 144
Chiton, 87–88, 90; Doric, 90, 92, 103, 105; Ionic, 90, 100, 103
Chiusi, skyphos in, 80
Chlamys, 87, 90–91
Chloris, 262
Choregic monument of Lysikrates, 47
Chrysaor, from Corfu, 71, 73, 119
Chryse, coins of, 272
Chryselephantine statues, 9, 10, 29, 139, 215–225, 229, 245, 248–249, 281–282
Chrysippos, 246–247; portrait of, 49, 84
Circumlitio, 156
Cire perdue process, 136–137
City states, 3, 7, 11
Clamps, 158
Clay models, 140–143
Cloak, 91
Cocks and hens, relief of, 130, 167
Colonial expansion, 3
Color, of Akropolis statues, 150 n.; as applied on sculpture, 148–157; of Augustus portrait, 153; book about, by Euphranor, 284; in Greek dress, 91–92; of Greek stone, 138, 173, 228
Colossos of Rhodes, 293
Commemorative sculptures, 29–30
Compactness of Greek sculpture, 27, 299
Consolation, by Praxiteles, 265
Constantinople, Musées d'Antiquités de Stamboul, "Alexander sarcophagus," 13, 47, 76, 112, 125, 131, 147–148, 152–153, 155, 157, 174, 291; Assos, temple at, reliefs from, 130, metopes from, 126; Hermaphrodite, 59; Hermes Propylaios, 236, 238; Kos, sculptures from, 267; Magnesia, figure from, 108; sarcophagus of Mourning Women, 46, 105, 125, 131, 262 n., 280
Copenhagen, Ny Carlsberg Glyptotek, Aigisthos, death of, on relief, 77; Artemis and Asklepios, relief with, 47, 105; Demosthenes, 295; draped woman, 105; Niobids, 9, 42, 63, 67; "Sappho" head, 184; torso of woman, 279
Cords, 88
Corfu, Museum, Corfu, sculptures from temple at, 4, 36, 60, 62, 64, 66, 68, 71, 73, 119, 121, 123, 158
Corinth, battle of, 45; colonies founded by, 3; tyrants of, 4; religious festivals at, 4
Corinth, Museum, head of Doryphoros, 246
Corinthian capital, invention of, 240
Corinthian pottery, 35

Cotton, 92
Cow, 112–113; by Myron, 113, 209
Crab, 116, 120
Crete, influence of, on Greece, 21
Critias, 238
Cult statues, 29
Cyprus, coins of, 240; limestone used in, 137, 149; terracotta in, 138

DAIDALOS, 195–196; follower of Polykleitos, 252
Daily life, representation of, in Greek sculpture, 34
Damophon, 14, 49, 296
Dancers, from Herculaneum, 41, 92, 96, 179
Daochos II, of Thessaly, 47, 286
Deinomenes, 253 n.; son of Hieron, 202
Delian temples, inventories of, 154–155
Delos, bronze portrait bust from, 49, 84; confederacy of, 8–9; Diadoumenos of, 178, 247; inscriptions from, 149, 154–155, 156; portrait statues found at, 14–15; Nike from, 5, 24, 36, 62; religious center in, 3; sack of, 15; xoana at, 135, 149
Delphi, Athenian Treasury at, 7, 39, 68, 94, 96, 126–127, 129; date of, 126 n.; embassies to, 17; gilded portrait of Phryne at, 139, 265; group by Pheidias dedicated at, 8, 30, 33, 229; religious center in, 3; "Sikyonian" Treasury at, 4–5, 36, 113, 126, 150, 165–166, 170, 171; Siphnian Treasury at, 6, 38, 64, 66, 68, 69, 121, 122, 130, 147, 151, 158, 166, 167, 168, 171; temple of Apollo at, 6, 11, 38–39, 122, 158, 202 n.
Delphi, Museum, Agias, 47, *286–287;* Athenian Treasury, metopes of, 39, 68, 94, 96, 126–127, 129; bronze plate with eyelashes, 147; Charioteer, 8, 41, 74, 75, 97, 137, 147 n.; cow, of bronze, 112; Daochos of Thessaly, statues dedicated by, 286; Karyatid column, 45, 104, 263 n.; Kleobis and Biton, 5, 6, 36, 53, 71, 73, 74, 195; Marmaria, statue from, 63; Naxian sphinx, 5, 37, 151, 158; "Sikyonian" Treasury, 4–5, 36, 113, 126, 150, 165–166, 170, 171; Siphnian Treasury, 6, 38, 64, 68, 69, 121, 122, 130, 147, 151, 158, 166, 167, 168, 171; temple of Apollo, sculptures of, 38–39, 122, 158
Demainetos, 279
Demareteion of Syracuse, 40, 74
Demeas, 279
Demeter, in Cherchel, 229; by the elder Praxiteles, 266; on the Eleusinian relief, 169; of Knidos, 46, 61, 104, 147; at Lykosoura, 296; on Parthenon frieze, 172
Demetria and Pamphile, stele of, 47
Demetrios (sculptor), 253 n., 284
Demetrios Phalereus, anti-luxury decree of, 30, 47, 133; census of, 20
Demetrios Polyorketes, 48
Demosthenes, portrait of, 14, 48, 85, 295–296; victor in horse race, 279
Design, Greek feeling for, 26, 72, 117–133
Despoina, temple of, 49, 296
Dexamenos, gem by, 83
Dexileos, stele of, 45, 81
Diadems, 147, 150
Diadoumenos, 9, 18, 44, 56, 178, 228, *247–248*
Didyma, sacred way at, 5; statues from, 5, 6, 36, 37, *see also* Branchidai
Dieitrephes, 231, 233–234
Diomede, 234–235
Dionysos, herm of, 297; infant, with Hermes, 46, 257–258; at Orchomenos, 209; on Parthenon frieze, 172; seated, by Alkamenes, 236, 238; by Skopas, 274 n.; statue offered to, 149; with a Triton, 204
Dioskouroi, 126, 150
Diploidion, 88
Dipoinos, 195
Dipylon head, 71
Dirke monument, 28; *see also* Farnese Bull
Diskobolos, 40, 55; by Myron, 41, 70, *205–207;* articles on pose of, 206 n.
Dodona, religious center in, 3; warrior from, 65; Zeus from, 65
Dog, 114–115; in the Kerameikos, 47; by Myron, 209
Doliana marble, 138
Dorians, colonies founded by, 3
Doric chiton, 90, 92, 103, 105, 256
Doryphoros, 9, 41, 56, 143, *245–247,* 248
Dositheos, 49
Dossena, forgeries by, 189 n.
Douris, 97
Dowels, 146, 158
Drapery, 87–108, 256, 269; Greek rendering of as compared, with Roman, 178–180, 181–182, with modern rendering, 186–187; *see also* Dress
Dresden, Albertinum, Athena, head of, 207 n.; Athena Lemnia, 226; Chigi pedestal, 182; Diadoumenos, head of, 247; Maenad, 274; Ploutos, 256; Satyr,

by Praxiteles(?), 46, 58, 264; Zeus, 229
Dress, bibliography for, 87 n.; color of, 92 n.; pleating of, 90–91 n.
Drills, 144–145, 240
Drunken Herakles, 69
Drunken woman, 61, 82
Dunfermline, Broom Hall, grave relief, 91

EAGLE, on coins of Elis and Akragas, 115
Ear, treatment of, in sculpture, 72, 74
Earrings, 147, 150
Eclectic works, 182–183
Education, 18–19
Egyptian art, 24, 51
Egyptian sculpture, coloring of, 155
Egyptians, love of riches of, 18
Eirene and Ploutos, 45, 255–256
Elektra, with Orestes, 182; triumph of, in relief, 77
Eleusinian stone, 222
Eleusis, Hall of Mysteries at, 9; mysteries of, 19; painting of Zeus from, 219; record relief from, 44; relief from, 41, 169, 180, 229
Eleusis, Museum, draped woman, 106; record relief, 44; running maiden, 40, 63; votive relief, 151, colors of, 151 n.
Eleutherai, 205
Elis, coins of, 115, 219, 220, 223–224, 272
Elpinike, 203 n.
Emotion, as expressed in Greek sculpture, 76–83
Endemos, 195
Endoios, 38, 60, 196, 268
Epameinondas, 11
Ephesos, as a center of art, 13, 14; fragment of head from, in British Museum, 151; temple of Artemis at, 5, 12, 37, 46, 58, 93, 104–105, 106, 174, 227, 256, 267, *271–272*
Epicharinos, 197
Epicurean school, 48
Epidauros, coins of, 281–282; Epidauros Museum, building inscription, 275, 282; temple of Asklepios at, 11, 45, 64, 104, 125, 160, *274–278*, 281–282
Epikouros, 48
Erechtheion, 10, 44, 101, 106, 138 n., 142, 160, 173, 179, 222
Erechtheus, 30, 209
Eretria, temple of Apollo Daphnephoros at, 7, 38, 96, 97, 123 n., 158
Erinys, by Kalamis, 204
Eros, with bow, 292; with Himeros and Pothos, 274 n.; holding thunderbolt, 273; mischievous, 82; in Morgan Collection, 64; of Parion, 261; by Praxiteles, 264; sleeping, in Metropolitan Museum, 68; of Thespiai, 139, 261; in three-sided relief in Boston, 169
Esquiline, head from, in British Museum, 153; stele of girl from, 132
Eteokles, 200
Etruria, rival of Greece, 6
Etruscans, marble used by, 138 n.
Euainetos, archon, 47; die-cutter, 44
"Eubouleus," 181, 265
Eukratides, 49
Eumenes II, 14, 49
Eumenides, 274 n.
Euphranor, 156, *284*
Eupompos, 109, 143, 288
Euripides, 11, 12; portrait of, 47, 84
Europa, 150; with the bull, 200
Eurotas, 293
Eurymedon, battle of the, 7
Euthydikos maiden, 40, 158; *see* "Boudeuse, La"
Euthykrates, 290
Euthymides, 39, 96
Euthymos, portrait of, 200, 201
Eutychides, 13–14, 48, *292–293*
Exomis, 88
Eye, treatment of, in sculpture, 71–76, 81, 147

FARNESE BULL, 49, 299
Farnese Diadoumenos, 18, 222, 228
Farnese Herakles, 59, 292 n.
"Fate," from the Parthenon pediment, 99, 180
Festivals, 19
Finials, 132
Florence, Museums and Collections, Bargello, relief by Cellini, 165 n.; Boboli Gardens, Aristogeiton, torso of, 198, Athena, by Myron, 208 n.; Museo Archeologico, Ajax, statuette of, 69, Amazon, statuette of, 250, archaistic Artemis, 182, coin, of Amastris with Herakles Epitrapezios, 288, of Elis, with Zeus, 219, horse's head, 112, Idolino, 10, 18, 24, 56, 75, 251; Palazzo Vecchio, head of "Cassel Apollo" type, 79; Uffizi, boar, 113, dog, 115, Laokoon, copy of, 298, Niobe and Niobids, 273
Foreshortening, 163–165, 169–170
Forgeries, 183–192
Fortune, statue of, 292

Frankfurt, Städtliche Skulpturensammlung, Athena, by Myron, 207–208
Friezes, composition of, 129–132
Frontal positions, 52, 60
Frontality, law of, 24 n.
Furtwängler, restorations by, 68

GANOSIS, 153–155
Ganymede and the Eagle, 283
Gaul, dead, in Venice, 68; dying, 14, 49; head of, in Rome, 76; killing himself and his wife, 14, 49, 66, 76, 107
Gauls, statues of, dedicated on the Akropolis, 14, 49; victories over, 14, 49
Ge, on Pergamon frieze, 83
Gem, with Amazon, 228; Aspasios, 217; with Philoktetes, in Louvre, 201
Gems, with Diskobolos, 206
Geneva, Musée d'art et d'histoire, Apollo, 273; bronze goat, 114
Genre subjects, 34
Geometric symmetry, *see* Symmetry
Geometry, 18
Giant, from Corfu pediment, 68; fallen, in the British Museum, 67; from Selinus, 77
Giants, battle of, with gods, 14; dedicated on Akropolis, 14, 49; from "Hekatompedon," 67, 121
Gilt, 139
Girl, from Cyprus, in Metropolitan Museum, 54; holding a casket, 41, 132; with pigeons, 41, 80, 132, 145, 204; terracotta statuettes of, in Metropolitan Museum, 186–187
Giustiniani Collection, statue from, 108
Gjölbaschi dancer, 182
Gjölbaschi Heroön, 10, 44, 106, 131, 172
Gladiator, falling, by Rimmer, 27
Glass, 147
Glaukippos, 44
Glaukon, 25
Glykon, 223
Glykylla, grave relief of, 10, 103, 133
Goat, 113
Gods, battle of, with giants, 14
Gold, bracelet of, 191; *see also* Chryselephantine statues
"Golden section," 117 n.
Goldman Collection, head in, 81
"Golgoi," sarcophagus from, 67
Gorgias, 48
Gorgon, from Corfu pediment, 62; from Syracuse, 62; *see also* Medusa
Gothic sculpture, coloring of, 155
Graces, and Pan, 241
Grave monuments, 30, 145, *see also* Grave stelai
Grave relief, head from, 147
Grave stelai, *132–133,* 145, 152, 174, 188
Gravestones, 61; emotion expressed on, 81
Greek mentality, agility of, 23–24; directness of, 22–23
Greeks, with Amazons on Mausoleum frieze, 270; feeling of, for beauty, 24–26; temperance of, 26
Greyhound, 114

HADRIAN, coins of, 219
Hagesandros, 15, 50, 298
Hair, treatment of, in sculpture, 73–74, 75, 76, 181, 185, 207
Halikarnassos, *see* Mausoleum
Harlot, rejoicing, by Praxiteles, 265
Harmodios, 65, 197–199
"Harpy tomb," 39, 166, 167
Haviland Collection (Feret, Southern France), Aphrodite in, 58
Hebe, 252
Hegesias, 202
Hegeso relief, 10, 24, 45, 103, 133, 164
Hegias, 213, 238
Hekate, at Aigina, 209; at Argos, 274 n.; on the Tower, 237
"Hekatompedon," 36, 38, 67
Hektoridas, 276
Helen, 240
Helios, 124
"Hellenistic Prince," 50, 59
Helmet, of Athena Parthenos, 216
Hephaistos, by Alkamenes, 236; on Parthenon frieze, 172; on vase, 31
Hera, by Alkamenes, 236; of Argos, by Polykleitos, 43, 245, 248–249; athletic contests in honor of, 29; by Euphranor, 156; head of, at Olympia, 4, 35, 71; on "Introduction pediment," 120; on Parthenon frieze, 172; of Samos, dedicated by Cheramyes, 37; statue of, by Polykleitos, 10, 43; temple of, at Argos, 10, 43, 102, 252; temple of, at Samos, 5; with Zeus, on Selinus metope, 127, 169
Heraion, at Argos, 4, 10, 43, 102, 245, 248, 252; at Olympia, 4, 35, 257
Herakleia, 46
Herakles, 31, 33; Aberdeen, 265; with Athena, on relief by Alkamenes, 236; with Atlas, 128; in Boston, 55; bronze statuette of, in Metropolitan Museum, 65; cleaning the Augean stables, 128;

drunken, 69; Epitrapezios, *287–289;* Farnese, 59; fighting the Cretan bull, 128; in group, at Samos, 209; and the Hydra, 5, 119–120, 125; at Heius, 209; introduced into Olympos, 5, 36, 120; and Kerynean hind, 127; with Kyknos, 58, 127; in Lansdowne Collection, 180, 274; on the Phigaleia frieze, 65; by Polykleitos, 251; resting, 211; in Rome, 209; on Selinus metope, 65, 126, 127; at Sikyon, 274 n.; from the Siphnian Treasury, 64, 121; and the Stymphalian birds, 128; at Tarentum, 289; with Triton, 5, 120; "Twelve Labours" of, 266
Herculaneum, dancers from, 41, 92, 96, 179; female statue from, 92; Hermes from, 61, 291; maidens from, 179
Hermaphrodite, in Constantinople, 59
"Hermarchos," 48, 85, 108
Hermes, from Ephesos column, 58, 271; on frieze, 39, 94; from Herculaneum, 61, 291; Kriophoros, 203–204; on the Parthenon frieze, 172; by Pheidias, 229; by Polykleitos, 251; by Praxiteles, 46, 58, 75, 76, 81, 104, 145, 152, 180, *257–258,* marble of, 138 n.; Propylaios, *236;* on relief, from Thasos, 148; by Skopas, 274 n.
Hermione, 204, 231
Hermolykos, 231
Herodotos, 11; portrait of, 46, 83
Heroes, 30
Heron, on gem, 116
Heroön, of Gjölbaschi, 10, 44, 106, 131, 172
"Hertz head," 242
Hestia, 274 n.; Giustiniani, 91, 179
Hetaira, by Makron, 97
Hieron, 41, 202
Himation, 87, 88, 90, 91
Himera, battle of, 7, 40
Himeros, 274 n.
Hipparchos, 38, 197
Hippias, 38
Hippodamas, 45
Hippodameia, 178
Hockey game, 39
Homer, 18, 157, 218; bust of, 50, 83, 84; studied by Greeks, 18
Hora, Ludovisi, 97
Horse, 111–112; from Akropolis, 40, 111; bronze statuette of, in Metropolitan Museum, 40, 111, 204; on relief, in Metropolitan Museum, 112; by Strongylion, 243, 244
Horseman, on base by Bryaxis, 279
Horses, by Kalamis, 204; on the Parthenon frieze, 111
Hound, 114
Human figure, as theme in Greek art, 30, 71
Humanizing tendency of Greeks, 31
Hydra, pediment with, 5, 36, 119–120, 121, 158
Hygieia, *see* Asklepios
Hymettos, marble from, 138

IACCHOS, 266
Idealism, 24, 26, 27
Idolino, 10, 18, 24, 56, 75, 251
Idreus, 269 n.
Iktinos, 43, 102, 232
Ilissos, from the Parthenon pediment, 67; temple by the, 9, 41, 63, 130,
"Impressional" form, 75, 163 n., 171
India, 49
"Introduction" pediment, 5, 36, 120
Iolaos, 119–120
Ionic chiton, 90, 100, 103
Iris, from Parthenon pediment, 63, 99, 103
Isokrates, 203, 282
Italy, terracotta in, 138
Itys and Prokne, 237
Ivory, 139, 140, 147; *see also* Chryselephantine statues

JANUS, 273
Jumper, bronze in the Metropolitan Museum, 70

KAIROS, 291
Kalamis, 8, 109, 160, *201–205,* 266
Kallias, 203
Kallikles, 253 n.
Kallimachos, 203, *240–241*
Kallistratos, 295
Kallixenos, 295
Kallon, 202
Kalydon, 140; head of sphinx from, 35
Kalydonian boar, 268
Kanachos, 202
Kanephoroi, 251, 274 n.
Karia, 46
Karyatid, in the Vatican, 179
Karyatids, 44, 101, 106; of the Erechtheion, 44, 179; of Siphnian Treasury, 6, 44, 104
Kassandra, by Polygnotos, 156
Kassandros, 12, 285
Katane, 40, founding of, 3
Kekrops, 30
Kephisodotos, 45, 160, *255–257*

Kephisodotos the Younger, 266
Kerameikos, 45, 47, 115, 145, 265
Kerkopes, on Selinus metope, 126
Kerkyra, 4, 45; relief from, 104; *see also* Corfu
Kerykeion, 148
Kilikia, coins of, 45, 63 n.
Kimon, 42, 44, 203 n., 214
Kitharist, in Hermitage, 61, 201
Kladeos, 21, 67
Klearchos of Rhegion, 199–200
Kleiton, 253 n.
Kleobis, 5, 6, 36, 53, 71, 73, 74, 195
Kleoitas, 253 n.
Klytaimnestra, 22
Kneecap, 53, 54
Knidos, Aphrodite of, *see* Aphrodite; coins of, 259; Demeter of, 46, 61, 104, 147
Knowledge, love of, 18
Kolpos, 88
Korai, from Akropolis, 72, 146; *see also* Maidens
Korallion, stele of, 46
Kore, on the Eleusinian relief, 180; in the Villa Albani, 229
Koreidas, 285
Koroneia, temple of Athena at, 240
Kos, sculptures from altar of, 267
Koul Oba medallion, 217
Krateros, 290
Kratine, 143, 259
Kratisthenes of Kyrene, 200
Kresilas, 9, 42, 68, 227, *231–235*
Kritias, 197 n.
Kritios, 40, 65, *197–199*, 238
Kroisos, 4, 37, 72 n., 93 n.
Kronos, 266
Kroton, coins of, 201; founding of, 3
Kyknos, and Herakles, 68, 127
Kylix, in Berlin, showing foundry, 137
Kyniskos, 245, *250*
Kypselos, 4
Kyrene, Aphrodite from, 58
Kyzikos, coin of, 199

LACHARES, 217
Ladas, 208–209
Lakedaimon, coins of, 299
Lame man, statue of, 200
Lamp, golden, by Kallimachos 240
Laokoon, 15, 50, 82–83, *297–298*
Lapiths, 31, 33, 65, 69, 78, 123, 128–129. 179, 216
Larisa, 253
Laurion, figure from, 146
Lead, 140, 146, 158
Leagros, 39
Leconfield Aphrodite, 265 n.
Leda, 240
Leipsydrion, battle of, 38
Lemnian Athena, 42, 79, *225–226*
Leningrad, Hermitage, bronze kitharist, 61, 201; Koul Oba medallion, 217
Lenormant Athena, 216
Leochares, 269, *282–284*, 291
Leontiskos of Messene, 200
Leto, with Apollo and Artemis, by Praxiteles, 263, by Polykleitos, 251, by Skopas, 273; and Chloris, 262; of the Conservatori Palace, 63; and Ortygia, 274 n.
Leuktra, battle of, 11
Liegefalten, 107
Light and shade, 167, 174
Lime, 146
Limestone, 137, 149
Linen, 88, 92, 154
Lion, 5, 109–111, 119, 120
Living model, 143
London, Museums and Collections, British Museum, Alexander, head of, 290, Aphrodite, bronze statuette of, 58, "Apollo," from Greece, 53, Aristogeiton, head of, 198, Athena Nike frieze, 10, 33, 43, 101–102, boy extracting a thorn, 61–62, 82, Branchidai, relief from, 165, *see also* Didyma, bronze, head, 147, seated figure, 108, statuette of maiden, archaistic, 182, 183, Chares statue, 5, 6, 37, 93, 95, coin, of Akragas with crab, 116, with Antiocheia, 293, with Apollo Sauroktonos, 260, with Apollo Smintheus, 272, of Argos with Leto and Chloris, 262, of Argos with seated Hera, 248, with Artemis, 244, with Athena Parthenos, 217, 219, with Athena Promachos, 214–215, 219, of Caracalla with Zeus, 289, with Eirene and Ploutos, 255, 256, of Elis with Aphrodite Pandemos, 272, with Zeus, 224, of Klazomenai with swan, 115, of Lakedaimon with Herakles, 299, of Messene, 196, with Nemesis, 240, of Nero with Apollo, 273, of Tanagra with Hermes Kriophoros, 203, with Tyrannicides, 196, Demeter of Knidos, 46, 61, 104, 147, Diadoumenos from Vaison, 247, Didyma, statues from, 5, 6, 36, 37, 60, 195, Diskobolos, 206, Ephesos, head from, 151, sculptures from temple at, 12, 37, 46, 58, 93, 105, 106, 152, 174, 256, 263 n., 269, *271*, Erechtheion Karyatid, 101, 106, 179.

Esquiline, head from, 153, Europa and the bull, in terracotta, 201, fallen giant, statuette of, 67, Farnese Diadoumenos, 222, 228–229, fragment of head, 147, girl running, statuette of, 63, Glykylla, stele of, 10, 103, 133, goat, 113, "Harpy tomb," 39, 166, 167, Herakles, Aberdeen head of, 265–266, Epitrapezios, 288, Marsyas, bronze statuette of, 207, Mausoleum, 12, 46, 66, 69, 81, 111, 112, 131, 147, 152, 155, 173–174, *269–271*, 274, *278*, *280*, *283*, Artemisia from, 46, 104, 107, 263 n., 269–271, Maussollos from, 46, 83, 104, 269–271, Naukratis, unfinished relief from, 164, Nemesis from Rhamnous, head of, 239–240, Nereid Monument, 10, 44, 102–103, 110–111, 125, 131, 164, 174, 280, Nike, statuette of, 62, 95, Nineveh, relief from, 163, Panathenaic vase with Tyrannicides, 198, Parthenon, frieze of, 29, 33, 42, 88, 98, 112, 130, 131, 142 n., 147, 151–152, 158, 159, 170, *171–172*, 173, 228, 230–231, 239, metopes of, 41, 65, 69, 79, *128–129*, 151–152, 179, 230–231, pediments of, 33, 42, 61, 63–64, 67, 98–99, 121, *124–125*, 142 n., 143, 145, 151–152, 158, 180, 230, 231, Pasiades, vase by, 95, Perikles, head of, 42, 83, 231–232, 233, 234, Perseus, head of, 210–211, Phigaleia, frieze, 10, 43, 65, 69, 79, 80, 81, 102, 130, 158–159, *172–173*, 174, metopes, 102, 129, Priene, head of girl from, 153, Sardes, relief from, 165, Strangford Apollo, 39, 54, Strangford shield, 216, Westmacott athlete, 250, Xanthos, sculptures from, 130, 165, 167; Lansdowne, Amazon, 250, Athlete, 292, Eros, 292, Herakles, 180, 274

Loukou, figure from, 228

Ludovisi Ares, 274

Ludovisi Hora, 97

Ludovisi relief, 77; *see also* Rome, Museo Nazionale, three-sided relief

Luna marble, 138

Lykinos of Sparta, 205

Lykios, 191 n.

Lykios of Eleutherai, 205

Lykosoura, temple at, 14, 49, *296*

Lykourgos, 47

Lyon, 231

Lysander, 10

Lysikrates, monument of, 47, 131, 174

Lysimachides, 47

Lysimachos, 12, 202 n.

Lysippian traditions, 61

Lysippos, 12, 47, 59, 135, 140, 143, 210, 246, *284–292*

Lysistratos, 140, *292*

MADRID, Museo Nacional del Prado, Diadoumenos, 247; "Neo-Attic" altar, 181; "Pherekydes," head of, 198

Maenad, in Dresden, 274; by Skopas, 274; on krater, 181

Magnesia, figure from, in Constantinople, 108; reliefs from, in the Louvre, 14

Maiden, by Antenor(?), 39, 146 n., 147, 196

Maidens, from the Akropolis, 5, 37, 38, 72, 91, 93, 158; hair of, 147 n.; *see also* Korai

Makron, 97

Mallet, 144

Mantineia, base from, 46, 105, *262–263*, date of, 262 n.; battle of, 11

Marathon, battle of, 7, 29–30, 33 n.; Youth from Bay of, 46, 58, 75

Marble, 137–138, 146, 150–153, 239

Market woman, 82, 153

Marmaria, statue from, 63

Marseilles, founding of Greek colonies in, 3

Marsyas, 41, 70, 78, *207–208*, 263

Mastiff, 115

Matron, weeping, by Praxiteles, 265

Mattei Amazon, 227, 249

Mausoleum, 12, 46, 66, 69, 81, 107, 111, 112, 131, 147, 152, 173–174, 267, *269–271*, *278*, *280*, 282, *283*; colors of, 152 n., 155

Maussollos, 46, 83, 104, 269–270

Medea, relief of, 103

Mediums used by ancients, 149 n.

Medusa, at Corfu, 4, 119; head of, in Athens, 77; Rondanini, 234; on Selinus metope, 126, 167–168

Megalopolis, coins of, 266

Megara, coins of, 263 n.; tyrant at, 4

Megarians, decree against, 221; Treasury of, at Olympia, 6, 38, 69, 122, 123

Meidias painter, vases by, 91, 103–104

Melchett Collection, "Menander" in, 84

Meleager, in Fogg Museum, 274; in the Villa Medici, 274

Melos, Aphrodite from, 49, 185; "Apollo" from, 23, 27, 37, 54

Menander, 12; portraits of, 84, 85, 266

Menon, 222

Messene, coin of, 196

Messenians, Nike dedicated by, 43, 242, *see also* Nike, by Paionios; Zeus, by Ageladas, for, 196

Metapontion, founding of, 3
Metopes, 125–129
Michelangelo, 161 n., 298
Mikon, 33 n.
Miletos, statue from, 93, 95, *see also* Branchidai; Thrasyboulos, tyrant of, 4
Miltiades, 8, 30, 33, 229
Minium, 153 n.
"Minoan" civilization, fall of, 3
Minotaur, 127
Mnaseas of Kyrene, 200
Mnesikles, 213
Model, used in sculpture, 230 n., 275–276; *see also* Clay *and* Wax
Modena, Museo Civico, bronze statuette of falling warrior, 69, 233
Mortises, 145–146
Moschophoros, material of, 138 n.
Mounting of statues, 157–159
"Mourning Athena," 41, 80, 169
"Mourning Women," sarcophagus of, *see* Sidon
Mouth, treatment of, in sculpture, 71, 72, 74, 75, 76, 77, 78
Movement in drapery, 107
Munich, Museums, Glyptothek, Aigina, sculptures from temple at, 7, 39, 65, 67, 68, 69, 77–78, 122–123, 145, 147, 148, 151, 158, 183–184, "Apollo" from Attica, 37, 54, 73, boy strangling goose, 297, Diomede, 234, 235, Diskobolos, statuette of, 206, drunken woman, 61, 82, Eirene, 179, 255, greyhound, 114, Homer, head of, 83, Knidian Aphrodite, head of, 259, Medusa Rondanini, 234, Nike adjusting sandal, 180, Sleeping Satyr, 49, 82, 83, Sokrates, 83, Tenea "Apollo," 24, 36, 54, 73; Museum für antike Kleinkunst, bronze statuette of girl, 57, vase by Euthymides, 96
Muse, in Berlin, 108
Muses, 199; by Kephisodotos, 194; on Mantineia base, 263; by Strongylion, 244
Music, 4, 17, 18, 25
Mycenae, metope from, 35
"Mycenaean" civilization, fall of, 3
Mykale, 3–4; battle of, 7
Mykonos, Museum, inscriptions from Delos, 149, 156
Myra, rock tomb at, 152, 155, colors of, 152 n.
Myron, 8, 41, 78, 178, 196, 200, 202, *205–211*
Myron, a later artist(?), 209 n.
Mythological subjects, 31–32

NAPLES, Museo Nazionale, Amazon, head of, 228; Artemis, archaistic, 182; cameo with Aphrodite, 271; dancers from Herculaneum, 41, 92, 96, 179; Doryphoros, 56, 245–246, head of, 246; Farnese, Bull, 49, 299, Herakles, 59, 292 n.; Hermes from Herculaneum, 61, 291; Herodotos, portrait of, 83; Orestes and Elektra, 182; Perikles, bust of, 232; Seleukos Nikator, bust of, 290; stele, 132; Tyrannicides, 40, 65, 96, 198–199; wall-painting from Pompeii, 153
Naturalism, 104, 106, 107, 200; *see also* Realism
Naukratis, relief from, 164–165
Naukydes, 252
Naupaktians, Nike dedicated by, 43, 242; *see also* Nike by Paionios
Naxian marble, 137
Naxian sphinx, *see* Delphi
Naxos, founding of, 3
Necklaces, 147
Negro, asleep, 82; musician, in Paris, 60, 82
Nemea, religious festivals at, 4
Nemesis, by Agorakritos, 42, *238–240*, diadem of, 147 n.
Neo-Attic altar, 181; reliefs, 241
Nereid monument, 10, 44, 102–103, 111, 125, 131, 174
Nereids, as akroteria, at Epidauros, 277
Nero, coins of, 273
Nesiotes, 40, 65, 197–199, 238
New York, Museums and Collections, American Numismatic Society, coin in, 103; Goldman Collection, head, 81; Metropolitan Museum of Art, Adorans, bronze statuette of, 55, Amymone, on forged gem, 187–188, Antiocheia, 13–14, 48, 293, Apollo, bronze statuette of, 54, "Apollo" head, 73, 74, archaic grave relief, head from, 147, Athena, archaistic head of, 185, Athlete, heads of, 79, 81, bracelet with Satyr, 69, 82, 191–192, bronze portrait statuette, *see* "Hermarchos," caricature, 82, Chrysippos, 49, 84, coin, of Akragas with eagle, 115, of Elis, with eagle, 115, Crete, terracotta figure from, 52, Cyprus, girl from, 54, Diskobolos, bronze statuette of, 40, 55, drill-caps, 144 n., drunken Herakles, 69, Eirene, 255, Eleusinian relief, 180, Eros, 82, Europa and bull, 201 n., forgeries of terracotta statuettes, 186–187, forgery, of gem, 187–188, of warrior's head, 183–

184, fragment of terracotta statue, 149, gem with child and dog, 114, girls, heads of, 146, 185, girl with pigeons, stele of, 41, 80, 132, 145, 204, Giustiniani statue, 108, goat, 113, "Golgoi" sarcophagus, 67, Harmodios, head of, 198, Herakles, archaic statuette of, 65, with Pholos(?), 51, "Hermarchos," 48, 85, 108, Hermes Propylaios, 236, horse, bronze statuette of, 40, 111, 204, horseman, relief of, 112, ivory foot, 140, jumper, of bronze, 70, large terracotta statuette, 96, Laurion, girl from, 146, limestone relief of Ptolemaic period, 164, lion, 111, Lysistrate, stele of, 104, marble, krater, 181, tomb vase, 174, Megakles stele, 37, 132, nurse carrying child, 82, old market woman, 82, 153, Phaidimos, base signed by, 196, runner, of bronze, 62, Satyr, and Dionysos on fresco, 258, of silver, *see* silver sleeping Eros, 68, Sostrate, stele of, 133, Sphinx, 151, stele of seated woman, 99, Tanagra statuettes, 61, 105, terracotta, head, 73, statuettes, 60, 61, 69, 105, 186, vase, by Berlin painter, 170, by the Boston phiale painter, 103, 173, by Brygos painter, 170, by Makron, 97, by the Meidias painter, 91, 104, 173, with old man, 78, by Oltos, 168, by the Pan painter, 170, youth, bronze statuette of, 56, head of, 74, head of, from relief, 75, 274, Zeuxis statue, 108, 146; Morgan Collection, Eros, 64; Newell Collection, coin, of Alexandria Troas with Apollo Smintheus, 272, of Antiochos Epiphanes with Apollo, 281, of Argos with head of Hera, 248, of Athens with Athena Parthenos, 217, with Dionysos by Alkamenes, 236, of Kyzikos with Tyrannicides, 199, with portrait of Alexander, 290, lamp-feeder with Tyrannicides, 198

Nikandre, 35, 93

Nike, of Brescia, 106–107; with a bull, 100–101, 180; from Delos, 5, 24, 36, 62, 72 n., 195 n.; from Epidauros, 64, 277; adjusting her sandal, 100, 179–180; by Paionios, at Olympia, 10, 24, 29, 43, 63, 101, 158, 180, 280 n.; of the Palatine, 103; on a Roman relief, in Munich, 180; of Samothrake, 48, 64, 106; statuettes of, in Athens, 62; statuette of, in London, 62, 95; temple of, at Athens, *see* Athena Nike; found near the Theseion, 279–280

Nikeratos, 253 n.

Nikias (general), peace of, 10, 44

Nikias (painter), 109, 156, 160

Nikodamos, 253 n.

Nikomedes, 259

Nikopolis, coins of, 260

Nikostratos, 233

Nikoteles, epitaph of, 22

Nineveh, garden scene from, 163

Niobe and children, 273

Niobid, Chiaramonti, 180, in National Museum, Rome, 9, 27, 42, 70, 79

Niobids, in Copenhagen, 9, 42, 63, 67; pediment with, 9, 124 n.

Nitre, 154

Nurse, carrying child, 82

Nymphs and Apollo, relief dedicated to, 40

ODEION, 213

Oil, 154–155

Oiniadai, 242

Old temple of Athena, 120, 121–122; *see also* "Hekatompedon"

Old woman, on Boston relief, 78

Oltos, 38

Olympia, games at, 17; religious center in, 4; *see also* Zeus

Olympia, Museum, Hera, head of, 4, 35, 71; Hermes, by Praxiteles, 46, 58, 75, 76, 81, 104, 144 n., 145, 152, 180, 256, *257–258;* inscription about victory of Troilos, 285; Kyniskos base, 250; Megarian Treasury, sculptures from, 6, 38, 69, 122, 123; Nike by Paionios, 10, 24, 29, 43, 63, 101, 158, 159, 180, *241–243;* Poulydamas base, 289; temple of Zeus, sculptures from, 8, 21, 41, 55, 67, 69, 74, 78, 79, 96, 105, 123–124, 128, 129, 147, 151, 158, 178, 224, 237–238, 243, 261

"Omphalos Apollo," 41, 55, 201, 204

Oreithyia, 32

Orestes, 22, 182; relief of, 165

Orontes, 292–293

Oropos, inscription from, 202 n.

Orpheus, 126

Orthagoras, 4

Oxen, 165, 171; by Strongylion, 244

Oxford, Ashmolean Museum, Herakles, 211, negro asleep by wine jar, 82

Oxidation of marble, 138 n.

PAINTING of Greek sculpture, articles on, 148 n.; *see also* Color

Paionios of Mende, 241–243; Nike by, 10, 24, 29, 43, 63, 101, 159, *241–243*

Pakate, by Apelles, 156

Palatine Nike, 103

Palermo, Museo Nazionale, metopes from temples at Sclinus, 5, 8, 37, 40, 65, 68, 77, 126, 127–128, 146, 149, 167–168, 169

Pamphile and Demetria, stele of, 47

Pan, and Three Graces, 241

Pan painter, 97, 170

Panainos, 218

Panaitios, 39

Panathenaia, 17 n., 33

Pankratiast, statue of, by Pythagoras, 200

Pantarkes, 220

Panthea, described by Lucian, 202, 225, 228, 259

Papyrus, in Geneva, 221

Parian marble, 138, 229, 239

Parion, coins of, 261; Eros of, 261

Paris, Bibliothèque Nationale, archaistic bronze statuette, 183, coin, of Elis with Zeus, 219, of Knidos with Aphrodite, 259, with seated Dionysos, 236, 238, cow, of bronze, 113, gem with Amazon, 234, hydria with birth of Athena, 31, lekythos with wounded warrior, 233, negro musician, 60, 82, woman, bronze statuette of, 105; Cabinet des Médailles, *see* Bibliothèque Nationale; Guimet Museum, bust of Alexander, 290; Louvre, Alexander, Azara bust of, 290, statuette of, 59, Antiochos III, portrait of, 84, Aphrodite, of Arles, 265, of Melos, 49, 185, Apollo Sauroktonos, 260–261, Artemis of Gabii, 265, Assos, fricze from temple at, 130, metopes from temple at, 126, Athena Medici, 105, 226, 280, Auxerre, statue once in, 35, 93, 95, Borghese, "Altar," 182, Eros, 261 n., warrior, 15, 49, 66, 298, boy strangling goose, 297, bull, on Olympia metope, 113, Diadoumenos, of terracotta, 247, gem with Philoktetes, 201, Hera from Samos, 37, lion, on Olympia metope, 110, Magnesia, reliefs from, 14, mirror with Aphrodite, 272, Nike of Samothrake, 48, 64, 106, Olympia, metopes from temple at, 61, 110, 113, Orestes and Pylades, 182, Parthenon frieze, 98, Philis, stele of, 41, 132, 151, Rampin head, 73, record relief, 44, Thasos, reliefs from, 40, 148, Velletri Athena, 234–235, Venus Genetrix, 103, 237 n., youth, bronze statuette of, 56

Parrhasios, 26

Parthenon, 9, 143, 145, 151, *229–231;* building records of, 230 n.; colors of, 151 n.; drill used on, 145 n.; frieze of, 18, 29, 33, 42, 88, 98, 112, 113, 130, 147–148, 158, *170–172,* 228; metopes of, 41, 65, 69, 79, *128–129,* 179; pediments of, 33, 42, 61, 63–64, 67, 98–99, 103, 121, *124–125,* 145, 158

Pasiades, vase by, 95

Pasiphae, 281

Pasiteles, 141, 182

Patras Museum, statuette in, of Athena Parthenos, 216

Patrokles, 252, 253 n.

Peace, carrying Wealth, 255–256

Pediments, 118–125

Pegasoi, 32

Pegs, 158

Peisistratos, 4, 5, 121

Peithinos, 39, 96

Peloponnesians, treaty with Athens signed by, 9; war with, 10–11, 43, 44, 220

Pelops, race of, 123–124

Penelope, on skyphos, 80

"Penelope" of the Vatican, 61, 80, 204

Pentelikon, marble from, 138, 146

Perachora, lion from, 109–110

Perfume, 154–155

Pergamon, 13, 14; adaptation of Athena Parthenos from, 217; altar of Zeus and Athena at, 14, 49, 76, 83, 107, 131–132, 174

Periander, 4

Periklean age, art of, 17

Perikles, 9, 16–17, 42, 83, 160, 213, 214, 220–221, 222–223; portrait of, by Kresilas, 42, 83, 231–233, 234; portrait of, on shield, 216, 223

Perseus, 32, 281; on Akropolis, 209; heads of, 210–211; on metope from Thermos, 126; on Selinus metope, 126, 167–168

Persia, menace to Greece, 6–8

Persian, dying, 82

Persians, dress of, 91; statues celebrating victory over, 213; statues of, dedicated on Akropolis, 14, 49

Persuasion, by Praxiteles, 265

Petworth, collection of Lord Leconsfield, head of athlete, 234–235

Phaidimos, bases signed by, 196

Phaidros, 32

Pharmakeia, 32

Pheidian style, 105

Pheidias, 8, 9, 42, 139, 159, 160, 196, 203, 204, 210, *213–231,* 235, 237, 238–239; Amazon attributed to, 42; Athena Lemnia by, 42; chryselephantine

statues by, 29, 42, 43; group by, 30, 33; portrait of, 216, 223; *see also* Athena Parthenos, Athena Promachos, *and* Zeus
"Pherekydes," 198
Phigaleia, temple of Apollo Epikourios at, 10, 43, 65, 69, 79, 80, 81, 102, 106, 129, 130, 158–159, *172–173*
Philip of Macedon, 11; portrait of, 282
Philis, stele of, 41, 132
Philochoros, 221
Philoktetes, 201
Philourgos, 217
Phintias, 39
Phoenicians, 18
Phokion, 160, 255
Phradmon, 227
Phrygian slave, 263
Phryne, 139, 143, 259, 261, 264
Piecing in sculpture, 145–147, 158
Pigments used by ancients, 148 n.
Pindar, odes of, 17
Pins, 88, 90
Piraeus, stone from, 137
Pisa, conquest of, 41
Plangon, stele of, 82
Plaster, 140
Plataia, battle of, 7
Plato, portrait of, 83, 284
Plinths, 158
Plotinus, definition of beauty by, 26
Ploutos, in Athens, 255–256; in Dresden, 256; with Eirene, 45
Pointing, 140–141
Polydoros, 15, 50, 297
Polyeuktos, portrait of Demosthenes by, 14, 48, 85, 295–296
Polygnotos, 156
Polykleitos, 9, 42–44, 135, 143, 159, 178, 196, 203, 210, 227, 234, *244–253;* chryselephantine statues by, 29; followers of, 252–253; statue of Hera by, 10, 43; *see also* Amazon, Diadoumenos, Doryphoros
Polykleitos the Younger, 245, 252
Polykles of Athens, 295
Polykrates, 4, 39
[Poly]medes, 5, 36, 105
Polymnestos, 231
Polyneikes, 200
Polyzalos, 41
Pompeian painting of a Satyr and the infant Dionysos, 258
Pompeii, wall-painting from, 153
Pontos, 46
Poros sculptures, 137
Portraits, dating of, 83 n.
Portraiture, 83–85; new importance of, 13
Poseidippos, 85, 188
Poseidon, 33, 188–189; athletic contests in honor of, 29; on Parthenon frieze, 171; on Parthenon pediment, 124; statue of, in Athens, 59; temple of, at Sounion, 10; on vase, 173
Poseidonia, coin of, 64
Pothos, 274 n.
Poulydamas, 285, 289
Praxias, 202 n., 253 n.
"Praxitelean curve," 261
Praxiteles, 12, 46, 139, 203, 210, *257–266,* 267; sons of, 266–267; *see also* Aphrodite of Knidos, Apollo Sauroktonos, Hermes, Satyr
Praxiteles the Elder, *266*
Praxiteles the Younger, 262 n.
Praying boy, in Berlin, 59, 291–292
Priene, head from, 153; statues from, 14
Princeton, Museum, Athena Parthenos, statuette of, 216–217
Prinias, sculptures from, 35, 60, 111, 170
Prokleides, 152
Prokne, and Itys, 237
Proplasmata, 141
Proportion, ancient writers on, 117 n.; Greek system of, 117, 146, 246
Propylaia, 9, 10, 43, 213, 222
Proto-Corinthian pottery, 35
Pseudo-Molossian dogs, 115
Ptoan, sanctuary, 6
Ptolemaic coins, 84
Ptolemy, 12, 48
Punic wax, 154, 155
Puntelli, 141 n.
Pylades, 182
Pyres, 231
Pyromachos, 253 n.
Pyrrhos, 253 n.
Pythagoras, 8, *199–201,* 204 n.
Pythias, 295
Pythis, 270
Pythodoros, 271
Pythokles, 244, 250, 276, 295

RAMPIN head, 73
Realism, 84, 292
"Relief conception," 28, 66
Religion, 19
Rhamnous, temple of Nemesis at, 9, 42, 238, 239; *see also* Nemesis
Rhea, and Kronos, 266
Rhodes, 13, 14, 281
Rhoikos of Samos, 136
Rhombos, 5, 27, 36

Rimmer, Falling Gladiator by, 27
Romans, adaptation by, of Greek works, 177, 181–182; copies by, 141, 177–181
Rome, political genius of, 16
Rome, Museums and Collections, Barberini Palace, "Suppliant," 180; Barracco Museum, dog, 114–115, head of Marsyas, 207, head of youth, 74, stele of Poseidippos (forgery), 188–189; Capitoline Museum, Amazon, by Kresilas(?), 227, 234, 249, boy strangling goose, 297, Dying Gaul, 14, 49, Pan and Graces, relief of, 241, Satyr, 59, 264; Conservatori Palace, Leto, 63, hound, 114, Perseus, head of, 210, stele of girl, from the Esquiline, 132; Lancelotti Palace, Diskobolos, 205; Lateran, Marsyas, 41, 70, 78, *207*, 208, Medea, on relief, 103, Sleeping Satyr, 68, Sophokles, 47, 84, 89, 93, 108; Museo Nazionale delle Terme, Anzio girl, 107, 146–147, Aphrodite from Kyrene, 58, Aspasios gem, 217, bronze boxer, 15, 50, 61, 299, Diskobolos, torso of, 206, Dying Persian, 82, Gaul, killing himself and wife, 14, 49, 66, 76, 107, Harmodios, head of, 198, "Hellenistic Prince," 50, 59, Ludovisi, Ares, 274, "throne," *see* three-sided relief, Niobid, 9, 27, 42, 70, 79, three-sided relief, 40, 77, 97, 169, Tiber Apollo, 55, 229; Museo Torlonia, Eirene, figures of, restored, 255, Hestia Giustiniani, 179; Palazzo Valentini, torso, 201; Palazzo Venezia, Hertz head, 242; Vatican, Antiocheia, 13–14, 48, 292–293, Aphrodite of Knidos, 259, head of, 259, Apollo Belvedere, 284, Apollo Sauroktonos, 46, 58, 260–261, Apoxyomenos, 47, 59, 286, 287, Aristogeiton, head of, 198, Augustus, 153, Belvedere torso, 15, 50, 61, 298–299, Chiaramonti Niobid, 180, Demosthenes, 14, 48, 85, 295, Diskobolos, 206, dog, 115, Erechtheion Kore (copy), 179, Euripides, portrait of, 47, 84, Ganymede and the Eagle, 283, grave relief of athlete, 169, Laokoon, 15, 50, 82–83, *297–298,* Mattei Amazon, 227–228, 249, "Menander," 85, Neo-Attic relief, 182, Nikai and bull, 180, Paionios Nike, head of type of, 242–243, "Penelope," 61, 80, 204, Perikles, head of, 42, *231–232,* 234, Plato, head of, 83, Poseidippos, 85; Villa Albani, Apollo Sauroktonos, 261, Kore, 229, Leda, 279, youth by Stephanos, 182; Villa Medici, Meleager, 274
Roxana, by Aëtion, 156
Runner, from Athens, 168; in the Metropolitan Museum, 62
Running maiden, from Eleusis, 40, 63

ST. Germain-en-Laye Museum, warrior in, 69, 233–234
Salamis, battle of, 7, 33; in Cyprus, 48
Samos, Hera from, 37; Polykrates, tyrant of, 4, 39; temple of Hera at, 5
Samos, Museum, reclining figure, 6, 66
Samothrake, Nike of, 48, 64, 106
"Sappho" head, 184
Sardes, horsemen and deer from, 165; temple of Artemis at, 12
Sardonyx cameo in Naples, 272
Satyr, by Brygos painter, 170; in Capitoline Museum, 59, 264; in Dresden, 46; with the infant Dionysos, 258; by Pan painter, 170; pouring wine, 264; by Praxiteles, 46, 58, 263–264; of silver, in Metropolitan Museum, 69, 82, 191–192; sleeping, in the Lateran, 68; sleeping, in Munich, 49, 82, 83
Scaffoldings, 230 n.
Schwerin, vase in, 78
Seated goddess, in Berlin, 40, 60, 74, 96, 151
Selene, 124; horse of, 112
Seleukos (I) Nikator, 12; portrait of, 48, 198, 279, 281, 290
Selinos, on coin of Selinus, 56
Selinus, coin of, 56; founding of, 35; sculpture from temples at, 5, 8, 37, 40, 65, 68, 77, 126, 127–128, 146, 169
Selvage, 99
Serapis, 281
Seven wonders of the world, 269, 271 n., 293
Shield of Athena Parthenos, 216, 223; mechanism of, 216 n.
Sicily, 5, 7
Sidon, "Alexander sarcophagus" from, 13, 47, 76, 112, 125, 131, 147–148, 152, 155, 157, 174, 291; sarcophagus of Mourning Women from, 46, 105, 125, 131, 262 n., 280
Sikyon, coin of, 289; Orthagoras, tyrant of, 4
"Sikyon," Treasury of, at Delphi, 4–5, 36, 113, 126, 130, 150, 165, 170, 171
Silanion, 284
Silk, 92, 100

Silver, 139; Satyr of, on bracelet, 69, 82, 191–192
Silversmith, 160
Simplicity of Greek sculpture, 57, 187
Siphnian Treasury, at Delphi, 6, 38, 64, 68, 69, 121, 123, 147, 151, 158, 166, 167, 168, 171
Siren, weeping, in Boston, 82
Skopas, 11, *267–274*
"Skopasian" Hermes, 58
"Skopasian" horse, 112
Skyllis, 195
Skythodoros, 221
Sleeves, 88, 90, 91
Snake tripod, 7–8
Sofia, Bulgarisches Nationalmuseum, Eros, 261 n.
Sokrates, 11, 12, 26, 32, 83, 253 n., 291
Solon, 5, 36, 160
Sophists, 18
Sophokles, 11, 22; statue of, in the Lateran, 47, 84, 89, 93, 108
Sorrento, base at, 273
Sosandra, by Kalamis, 203–204
Sosias, 96
Sostratos, 253 n.
Sounion, stele of a youth from, 169; temple of Poseidon at, 10; *see also* "Apollo"
Spain, founding of colonies in, 3
Sparta, ancestor relief from, 6, 24, 166; dancing maidens of, 241; domination of, 11; heroes of, monument to, 252; military training of, 17, 159; overthrow of, 11; warrior from, 39, 65
Sparta, Museum, Orestes relief, 165
Sphakteria, 43, 242
Sphinx, head of, from Kalydon, 35; in Metropolitan Museum, 151; Naxian, at Delphi, 5, 37, 151, 158
Spintharos, 253
Spoils of Marathon, 30
Sponges, 154
Statue bases, 39, 95, 114, 151, 168, 231, 232, 262–263
Status of Greek sculptors, 159–161
Stele, of Agathon, 46; by Alxenor, 39, 132, 168; from Argos, 245; of Aristion, 38, 132, 166–167, 196; of Demetria and Pamphile, 47; of girl with casket, 41, 132; of girl with pigeons, 41, 80, 132, 145, 204; of Glykylla, 10, 103, 133; of Hegeso, 10, 24, 45, 103, 133, 164; of Korallion, 46; of Lysistrate, 133; of Philis, 41; of Plangon, 82; of Poseidippos, 188; of seated woman, in Metropolitan Museum, 99; of Sostrate, 133; of brother and sister, in Metropolitan Museum, 37, 132; *see also* Alxenor, Aristion, *and* Grave monuments
Stephanos, youth by, 182
Sterope, 178
Sthennis, 284
Stockholm, figures in, 240
Strangford "Apollo," 39, 54
Strangford shield, 216
Striding Athena (forgery), 189 n.
Stripe, 91
Strongylion, 243–244; animals by, 109
Stucco, 140
Studios, 158
Styppax, 34, 253 n.
Subjects of Greek sculpture, 30–34
Sun, 293
Swan, on coin of Klazomenai, 115
Sybaris, founding of, 3
Symbolism, 32
Symmetry, bibliography of, 117 n.; book about, by Euphranor, 284; of Myron's work, 210; *see also* Proportion
Symposion, by Plato, 25
Syracuse, 40; dekadrachms of, 44; Demareteion of, 40, 74; founding of, 3
Syracuse, Museum, akrolithic Apollo, 201; sculptures from the Athenaion, 5, 62, 149

TANAGRA, battle of, 41; coins of, 203–204; statuettes from, 61, 105, 138, 150
Tarentum, founding of, 3
Tauriskos, 49, 299
Technique of Greek sculpture, 135–161; articles on, 135 n.
Tegea, stele from, 269 n.; temple of, 11, 45, 125, 138, 267, 268–269; heads from, 81
Tegea, Museum, sculptures from temple of Athena Alea, 45, 81
Telephanes of Phokis, 253
Telephos, adventures of, on Pergamon frieze, 14; battle of, against Achilles, 268
Tenons, 145
Terina, didrachm of, 103
Terracotta, 138–139, 149–150; fragment in Metropolitan Museum, 96; forgeries, 186–187
Thanatos, 271
Thasos, founding of, 3; relief from, 40, 148
Thebes, leadership of, 11

Thebes, Museum, Amazon from a pediment, 66; inscription, 285
Themis, 49, 107
Themistokles, 7
Theodoros, 221; of Samos, 136
Theokosmos, 252–253 n.
Theon(?), 275
Theopheides, 282
Theoxenidas, 275, 276
Thermopylai, 33
Thermos, antefix from, 35; painted metopes of temple at, 4, 125–126
Thersilochos, 250
"Theseion," 10, 43, 99, 129, 151; colors of, 151 n.
Theseus, 32, 33; and Athena, 127; on Eretria pediment, 96, 97; and the Minotaur, 127
Thespiai, Eros of, 139, 261
Thorax, 53
Thrace, characteristics of natives of, 18; founding of Greek cities in, 3
Thrasyboulos, 4
Thrasymedes, 252 n., *281–282*
Three-quarters view, 167–170
Thucydides, 11, 16, 43
Tigranes, coins of, 293
Timanthes of Kleonai, 205
Timarchides, 41
Timarchos, 266–267
Timokles, 296
Timotheos, victory over Spartans of, 45
Timotheos (sculptor), 269, 270, *274–279;* models used by (?), 141 n., 275–276
Tomb monuments, 6; *see also* Grave stelai
Tools, *143–145;* articles about, 143 n.
Tralles, 13, 49; head from, 260
Transparency of drapery, 99–104, 106, 107
Triton, from "Hekatompedon," 5, 36, 120
Troilos, 5, 121 n., 285
Trojan war, 33
Tufa, 149
Tunis, Museum, herm of Dionysos, 297
Turin, Museum, Diadoumenos, 247; replica of Mattei Amazon, 228
Types, of early figures, 51; in Greek art, 190
Tyrannicides, 8, 29, 40, 65, 96, *197–199;* restoration of, 198 n.
Tyranny of the Thirty, 236
Tyrants, 4, 7, 19

UNIVERSALITY of Greek sculpture, 57
Uses of Greek sculpture, 28–30

VAISON, statue of Diadoumenos from, 247
Varvakeion Athena, 216
Vases, paintings on, compared with sculptures, 38, 39, 69, 95–96, 97, 103–104, 168, 169–170, 173; treatment of insides of, 145 n.
Venice, Museo Archeologico, archaistic Artemis, 182; dead Gaul, 68; statue of draped woman, 106; torsos, 105–106, 280; Zeus on cameo, 76
"Venus Genetrix," 103, 237
Vermilion, 153 n.
Victors, statues of, 29
Victory, wingless, by Kalamis, 204; *see also* Nike
Vienna, Kunsthistorisches Museum, Gjölbaschi frieze, 10, 44, 106, 131, 172, 182; Oesterreichische Staatsgalerie, Amazon relief from Ephesos, 227
Volneratus deficiens, 68, 233–234
Volomandra, "Apollo" from, 37

WAGES, paid to sculptors, 143 n., 160, 230 n., 275, 276, 277
War monuments, 33
Warrior, Borghese, 15, 49, 66, 298; from Sparta, 39, 65
Warriors, 65, 66, 68
Wax, 154–155; models in, 143 n., 292; Punic, 154, 155
Wealth, in the arms of Peace, 255
Weeping Siren, 82
Weights, 89–90
Westmacott athlete, 250
"Whirling square," 117 n.
Wilton House, Hermes Kriophoros, 204
Women, position of, 20
Wood, 135, 140
Wooden horse, 243
Wool, 88, 90, 92

XANTHOS, frieze from, 5; reliefs from, 130, 165, 166, 167; *see also* Nereid monument
Xenokles, 250
Xerxes, 8, 197
Xoana, 135

YOUTH, in the Akropolis Museum, 40, 55, 199; carrying girl (forgery), 189 n.; from the Bay of Marathon, 46, 58, 75; scraping himself, 286; and sister, stele of, 37, 132

ZETHOS, 299
Zeus, by Ageladas, 196; Ammon, by

Kalamis, 202, 204; and Athena, by Agorakritos, 240, *see also* Pergamon; athletic contests in honor of, 29; giving birth to Athena, 31; on cameo in Venice, 76; from Corfu pediment, 64, 119; in Dresden, 229; from Dodona, 65; in group, at Samos, 209; and Hera, on Selinus metope, 77, 127, 169; on "Introduction" pediment, 120; by Lysippos, 289; at Megalopolis, 266; on Megarian Treasury at Olympia, 122; Meilichios, 251; of Mylasa, 145, 219; on old temple of Athena, 121; painting of, from Eleusis, 219; on Parthenon frieze, 172; statue of, by Pheidias, at Olympia, 9, 43, 61, 139, 214, *218–225*, 236, 248, 249, 260, 297; temple of, at Olympia, *see* Olympia; the Thunderer, 284

Zeuxis, statue by, 108, 146

Zigzag lines, 94, 95

ILLUSTRATIONS

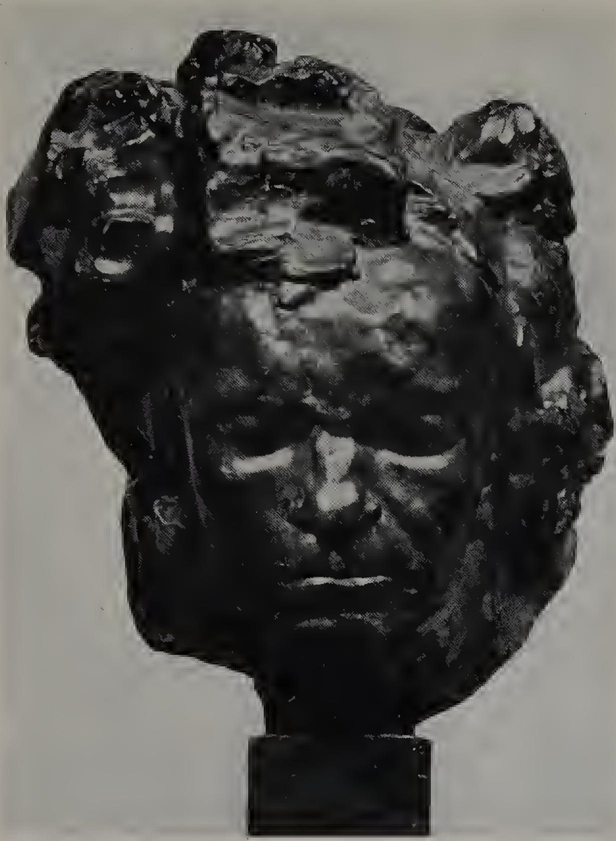


Fig. 1. Bronze head of Beethoven, by Bourdelle
Metropolitan Museum of Art
(Cf. p. 21)

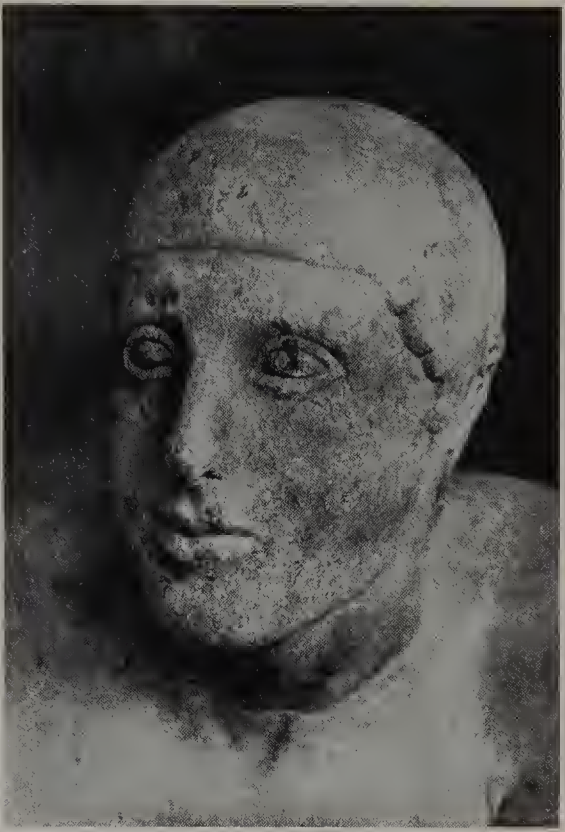


Fig. 2. Head of Kladeos, from the temple of Zeus at Olympia
Olympia Museum
(Cf. p. 21)

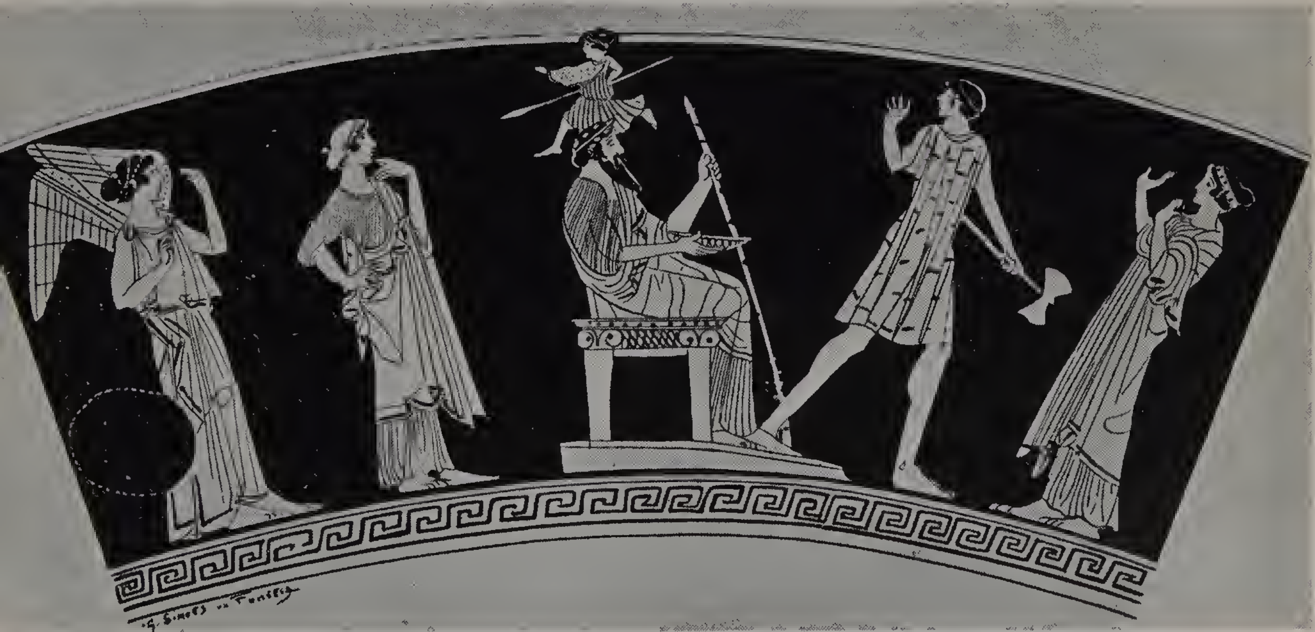


Fig. 3. Birth of Athena, from a hydria
Bibliothèque Nationale, Paris
(Cf. p. 31)

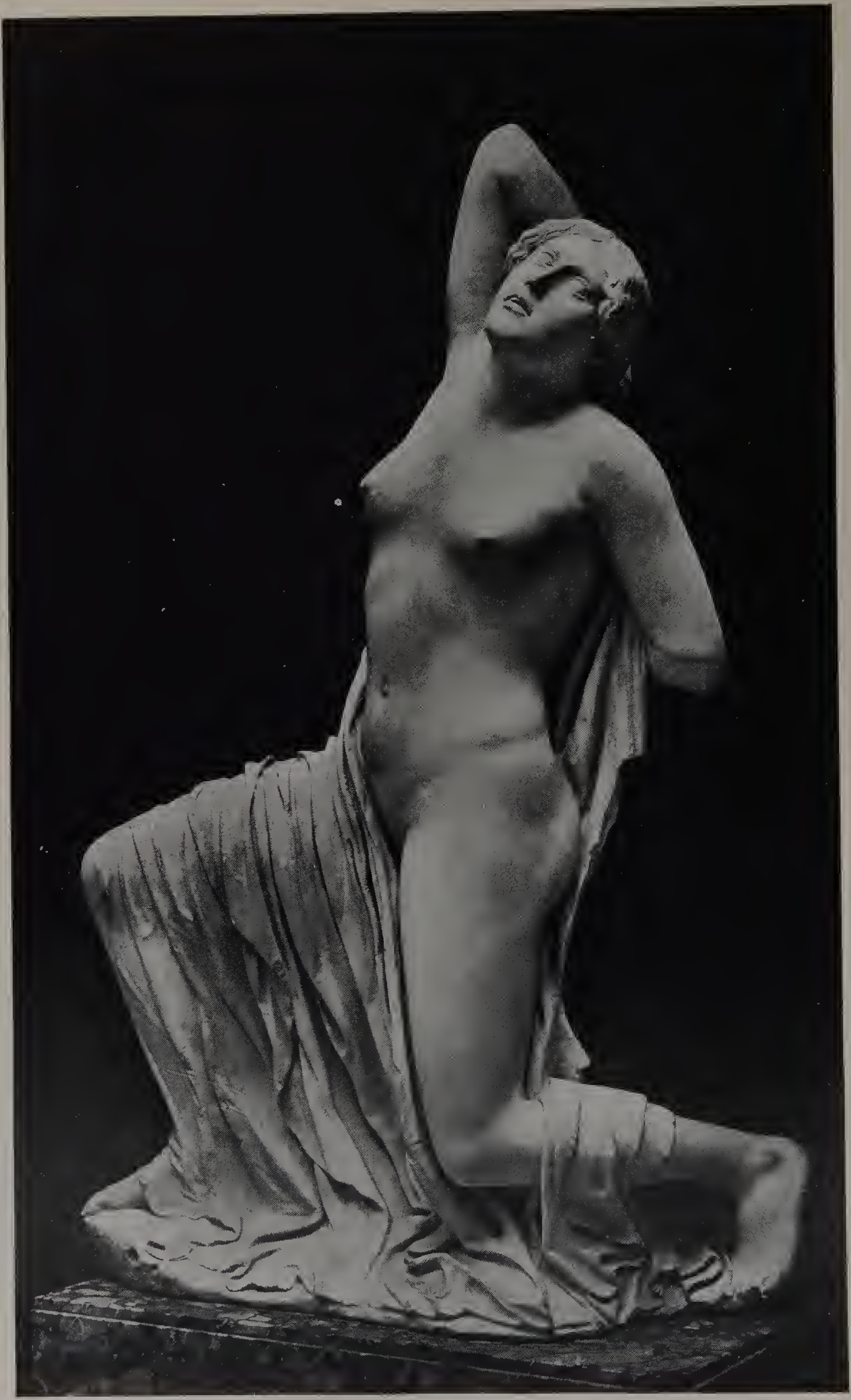


Fig. 4. Niobid

Museo Nazionale delle Terme, Rome

(Cf. p. 27)

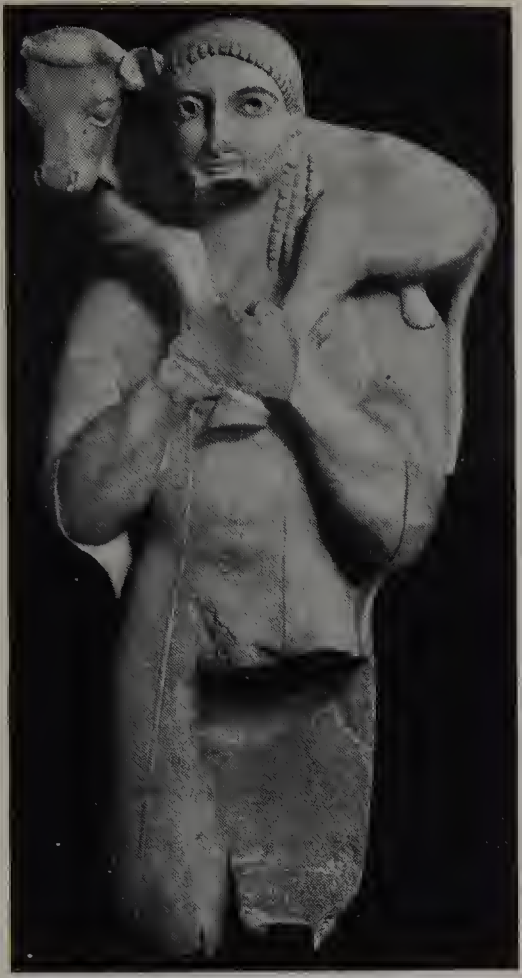


Fig. 5. Calf-bearer (cf. p. 27)
Akropolis Museum, Athens

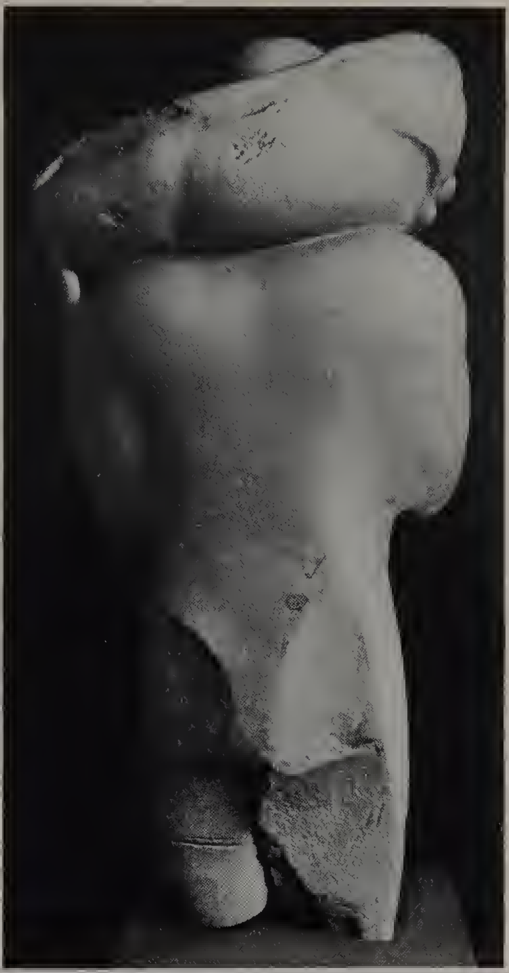


Fig. 6. Back of Fig. 5 (from a cast)

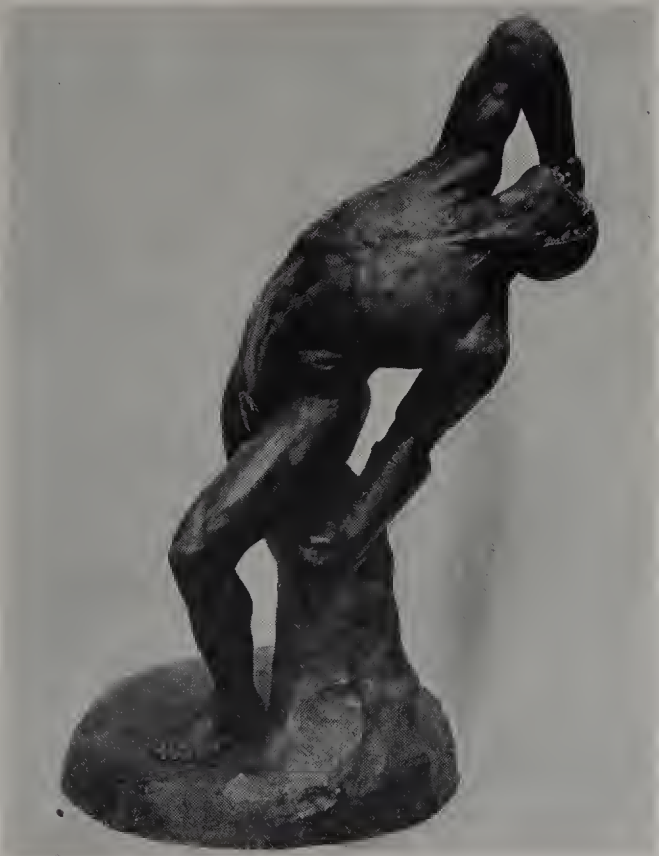


Fig. 7. Falling Gladiator, by William Rimmer
(Cf. p. 27)
Metropolitan Museum of Art

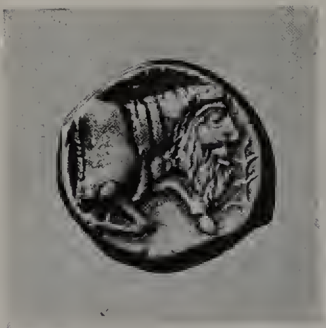


Fig. 8. Head of Acheloos
on a coin of Gela
E. T. Newell Collection, New York
(Cf. p. 32)

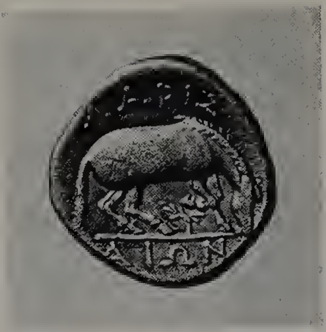


Fig. 9. Horse in a meadow
on a coin of Larisa
E. T. Newell Collection, New York
(Cf. p. 32)

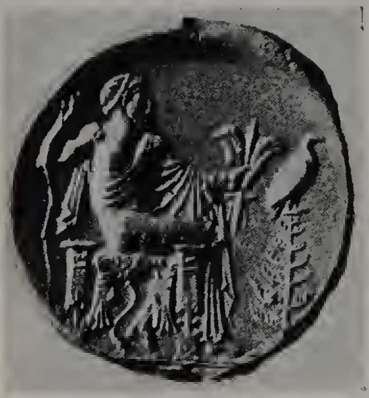


Fig. 10. Zeus of Aetna
on a coin of Katane
Bibliothèque Royale, Brussels
(Cf. pp. 32, 40)

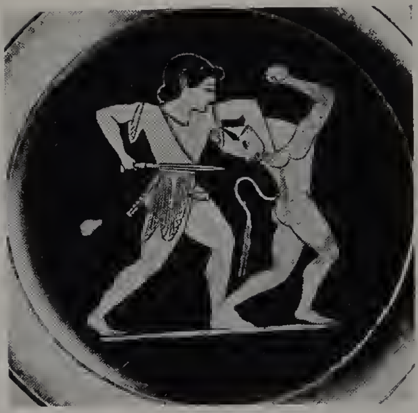


Fig. 11. Theseus and the Minotaur
from a red-figured plate
The Louvre, Paris
(Cf. p. 32)

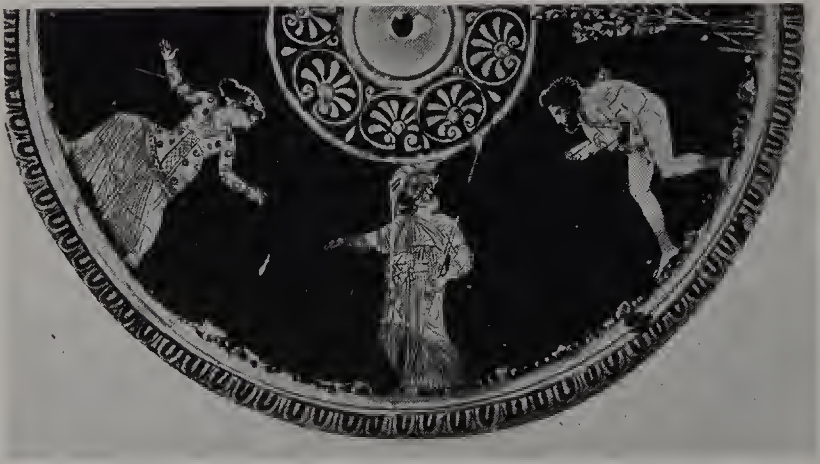


Fig. 12. Odysseus and Nausikaa, from a red-figured pyxis
Museum of Fine Arts, Boston
(Cf. p. 32)

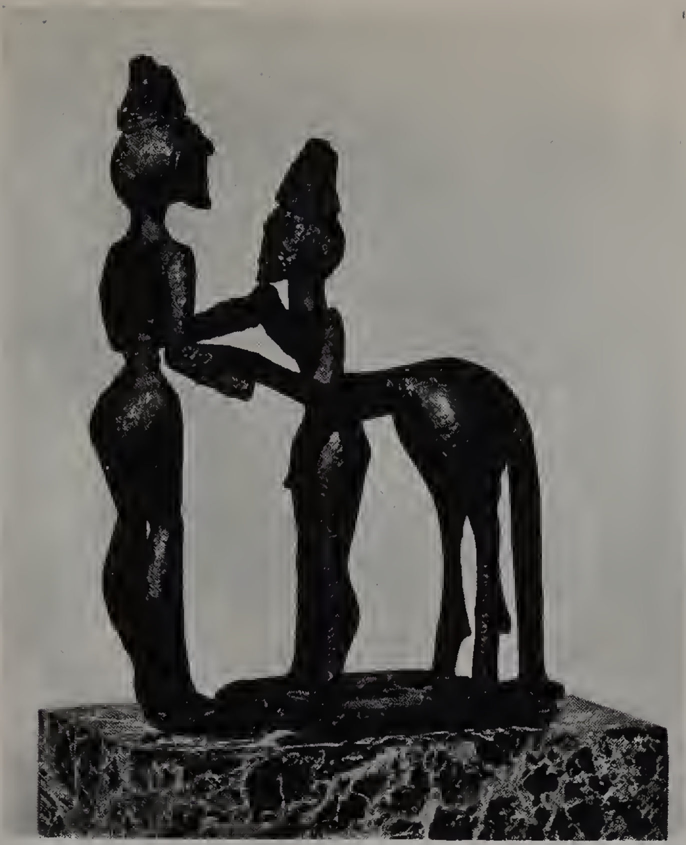


Fig. 13. Bronze group of Herakles and Pholos (?)
Metropolitan Museum of Art
(Cf. p. 51)

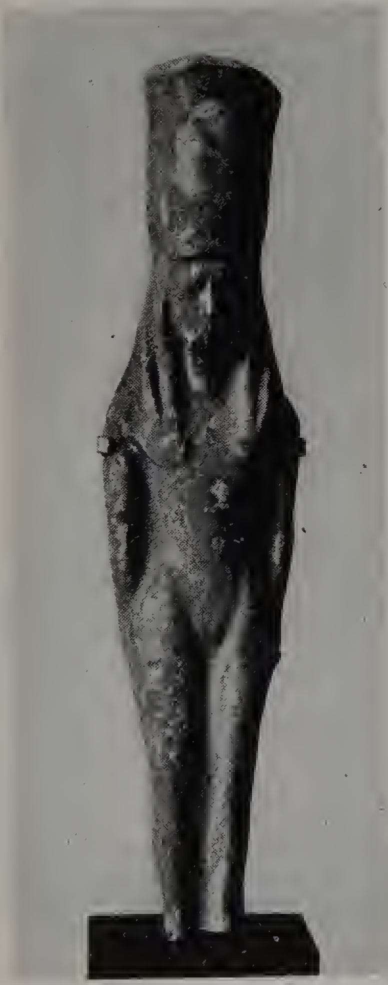


Fig. 14. Terracotta statuette from Praisos
Metropolitan Museum of Art
(Cf. p. 52)

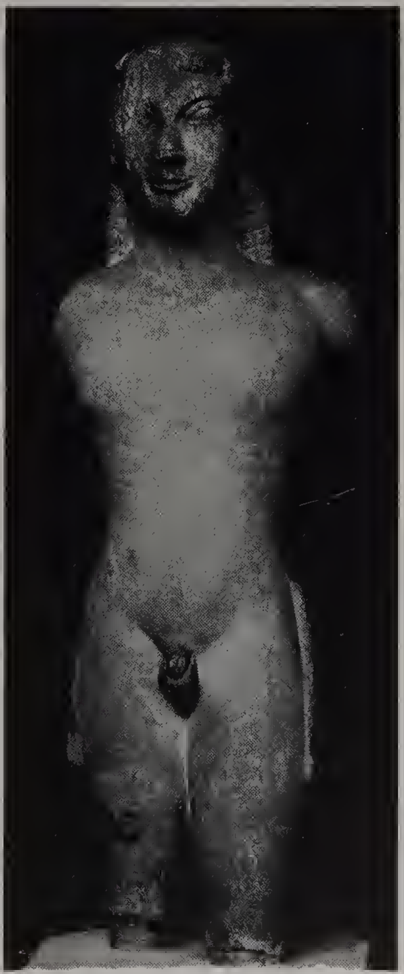


Fig. 15. "Apollo," from Greece probably from Boeotia
British Museum, London
(Cf. p. 53)

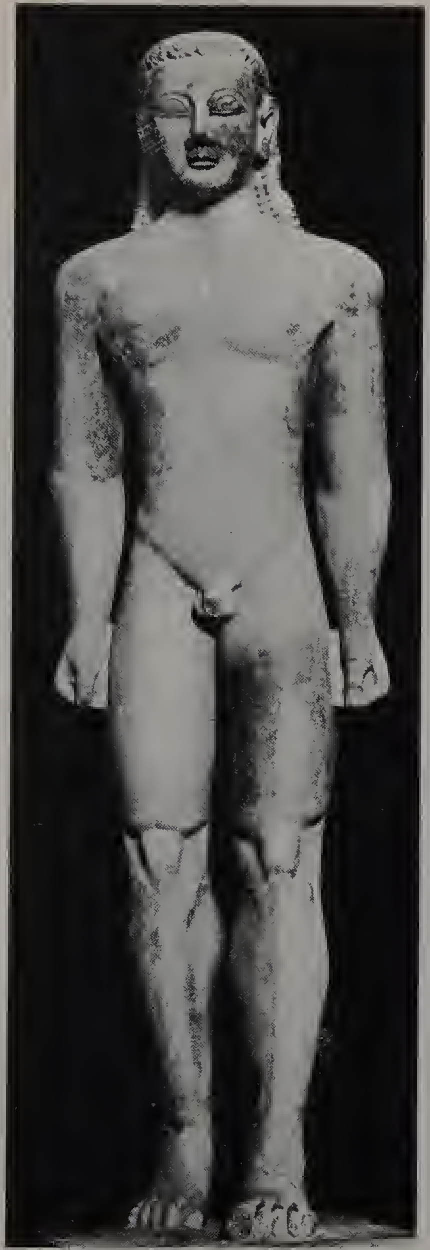


Fig. 16. "Apollo," from Sounion
National Museum, Athens
(Cf. p. 53)

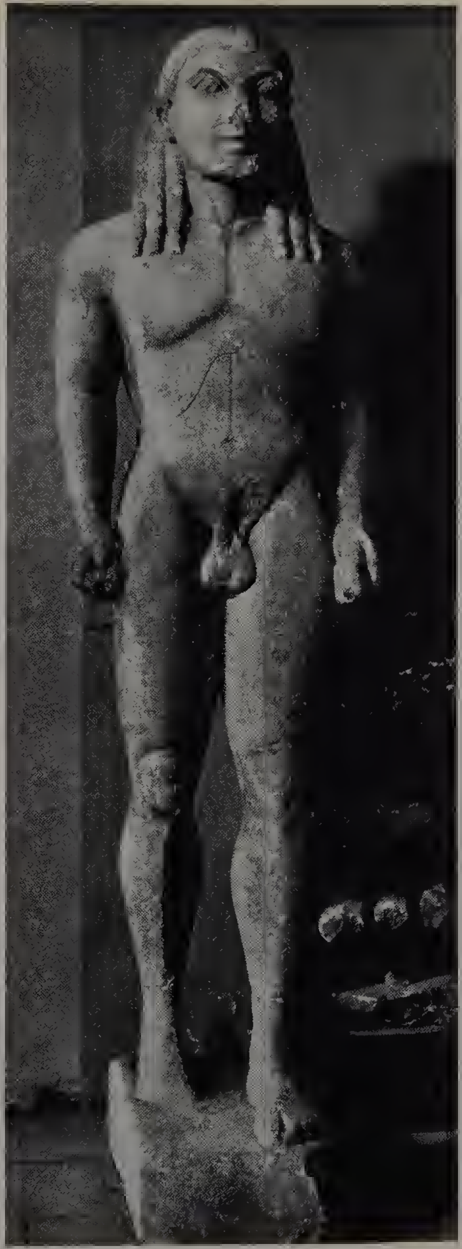


Fig. 17. Youth, from Delphi
Delphi Museum
(Cf. p. 53)

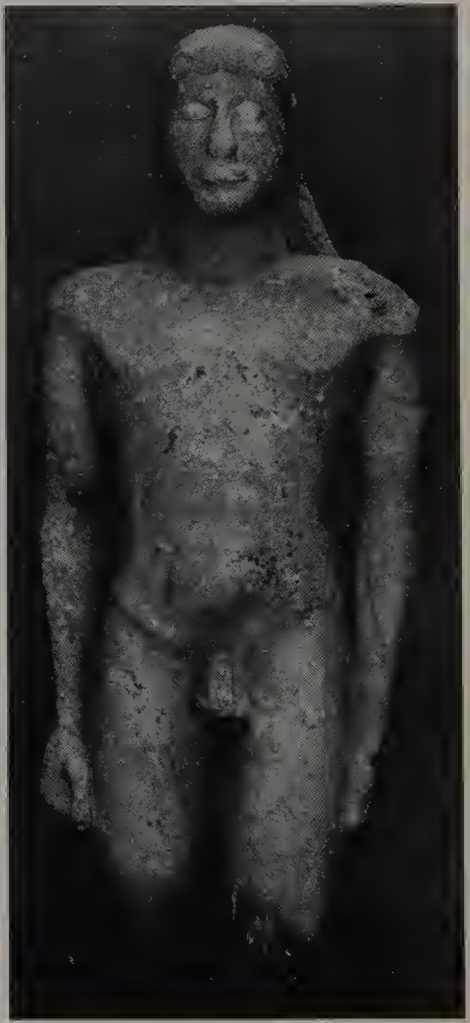


Fig. 18. "Apollo," from Orchomenos
National Museum, Athens
(Cf. p. 53)

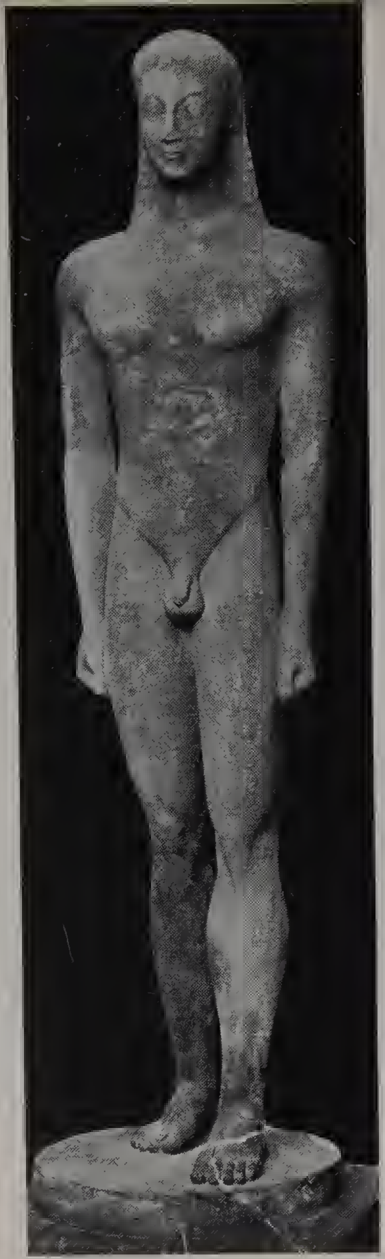


Fig. 19. "Apollo," from Melos
National Museum, Athens
(Cf. pp. 23, 54)

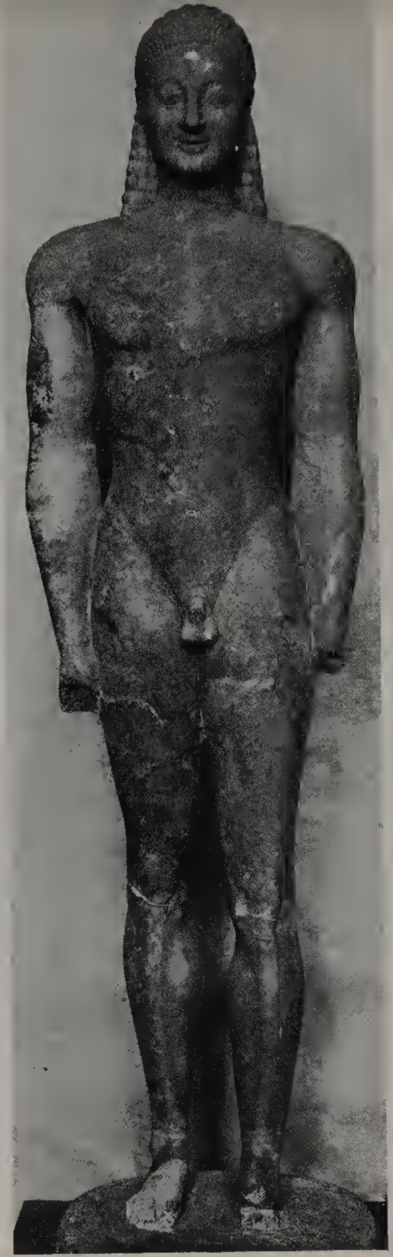


Fig. 20. "Apollo," from Attica
National Museum, Athens
(Cf. p. 54)

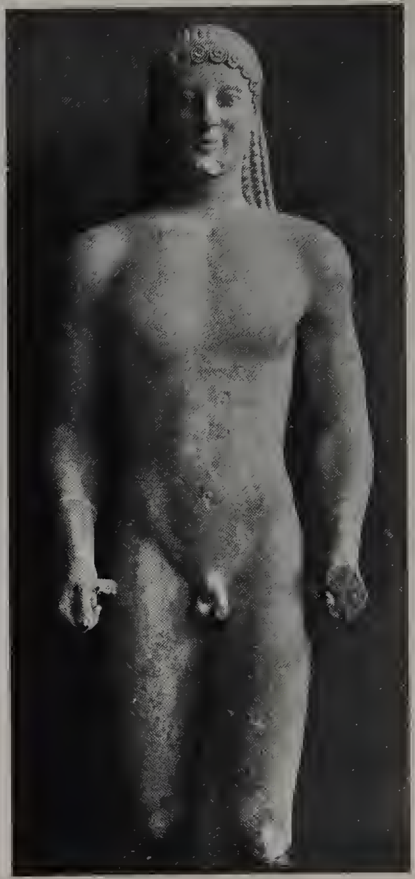


Fig. 21. "Apollo," from Boeotia
National Museum, Athens
(Cf. p. 54)

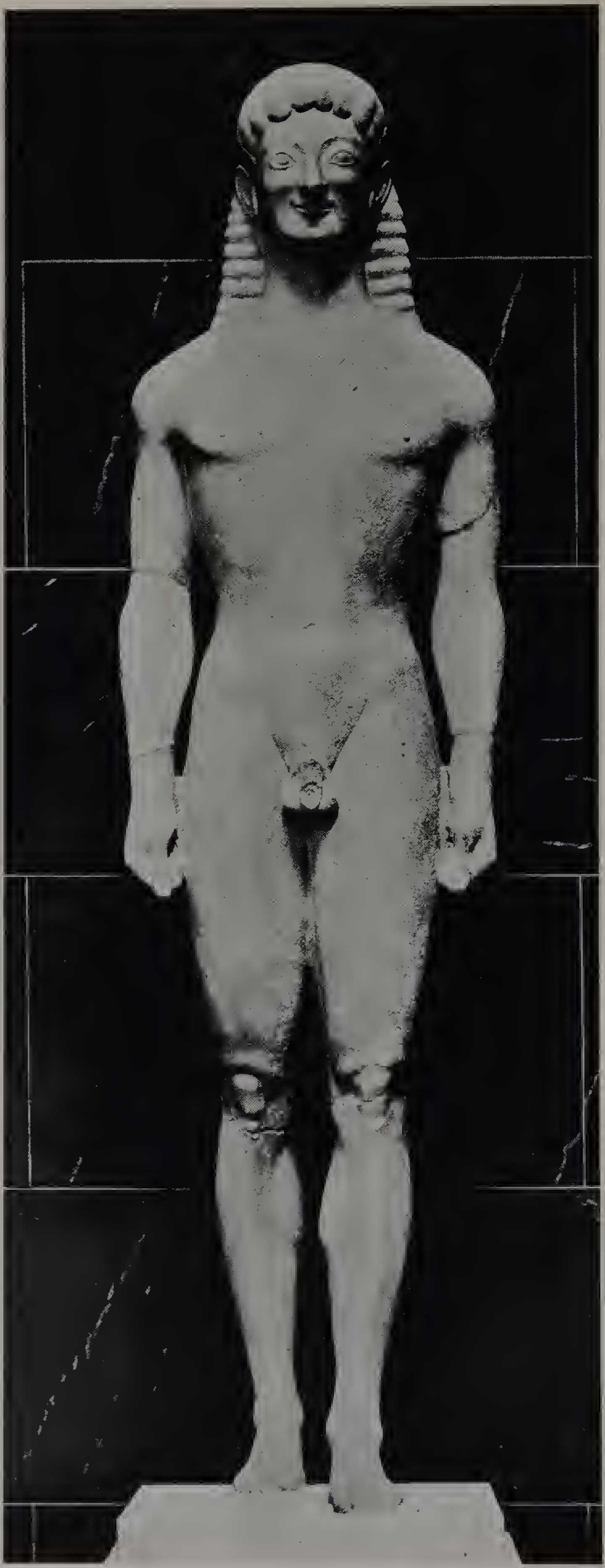


Fig. 22. "Apollo," from Tenea
The Glyptothek, Munich
(Cf. p. 54)

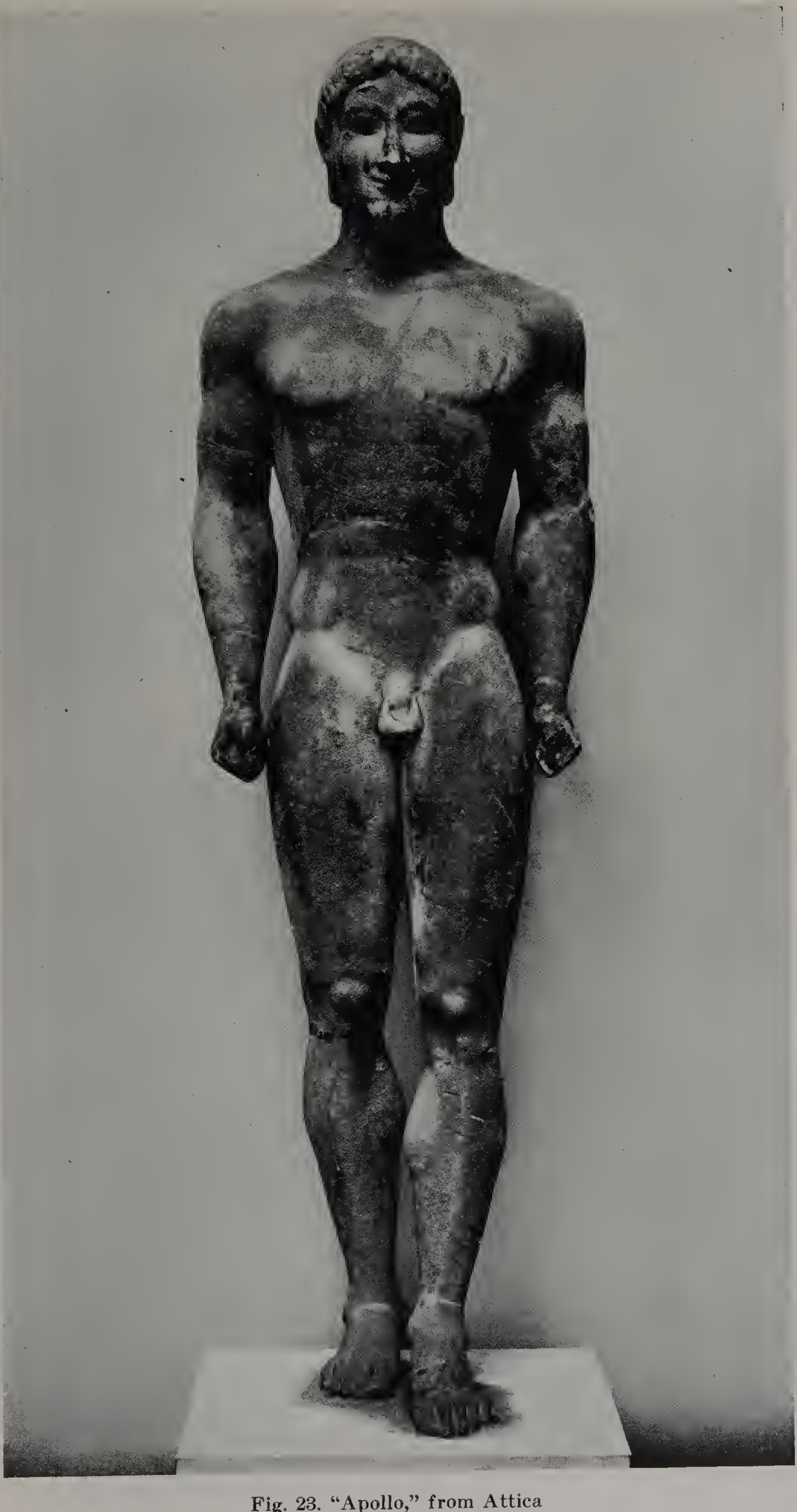


Fig. 23. "Apollo," from Attica

The Glyptothek, Munich

(Cf. p. 54)

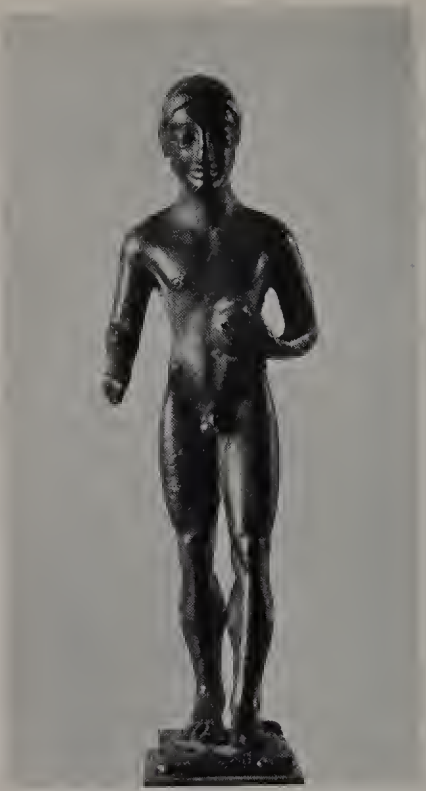


Fig. 24. Bronze statuette of "Apollo"

Metropolitan Museum of Art

(Cf. p. 54)

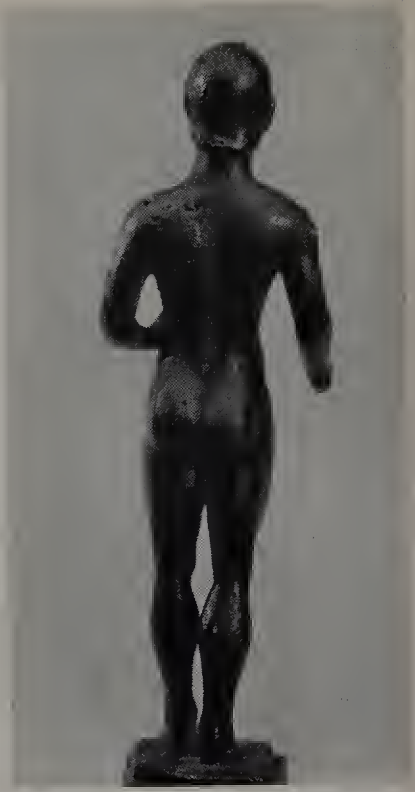


Fig. 25. Back view of Fig. 24

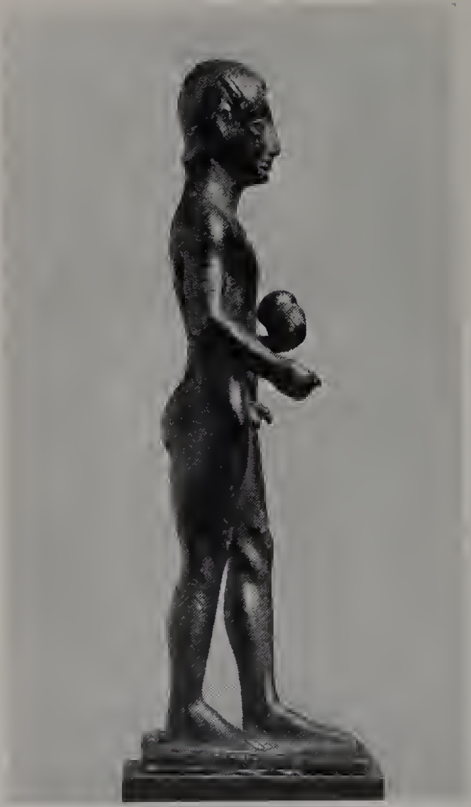


Fig. 26. Side view of Fig. 24

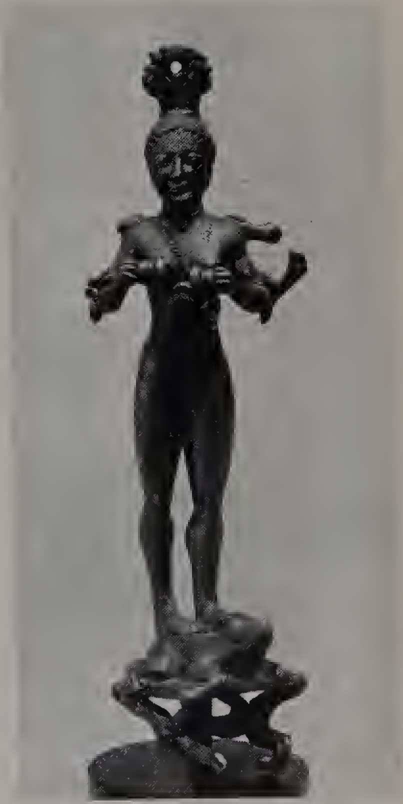


Fig. 27. Bronze statuette of a dancing girl

Metropolitan Museum of Art

(Cf. p. 54)

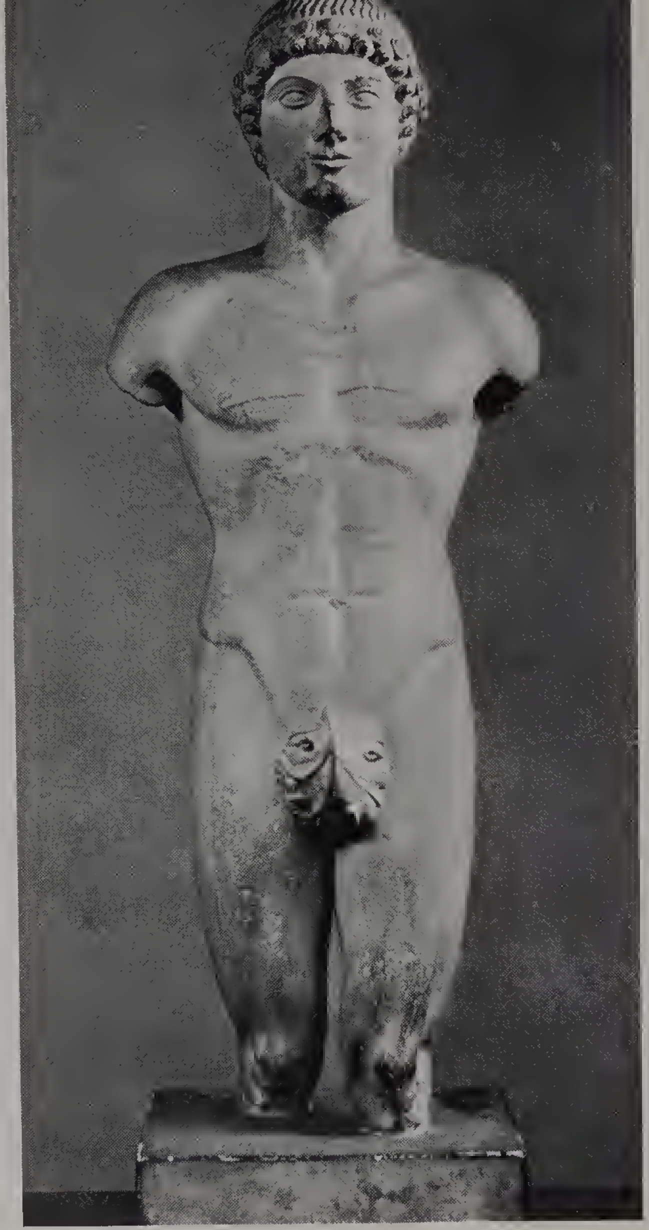


Fig. 28. "Strangford Apollo" (from a cast)
British Museum, London
(Cf. p. 54)

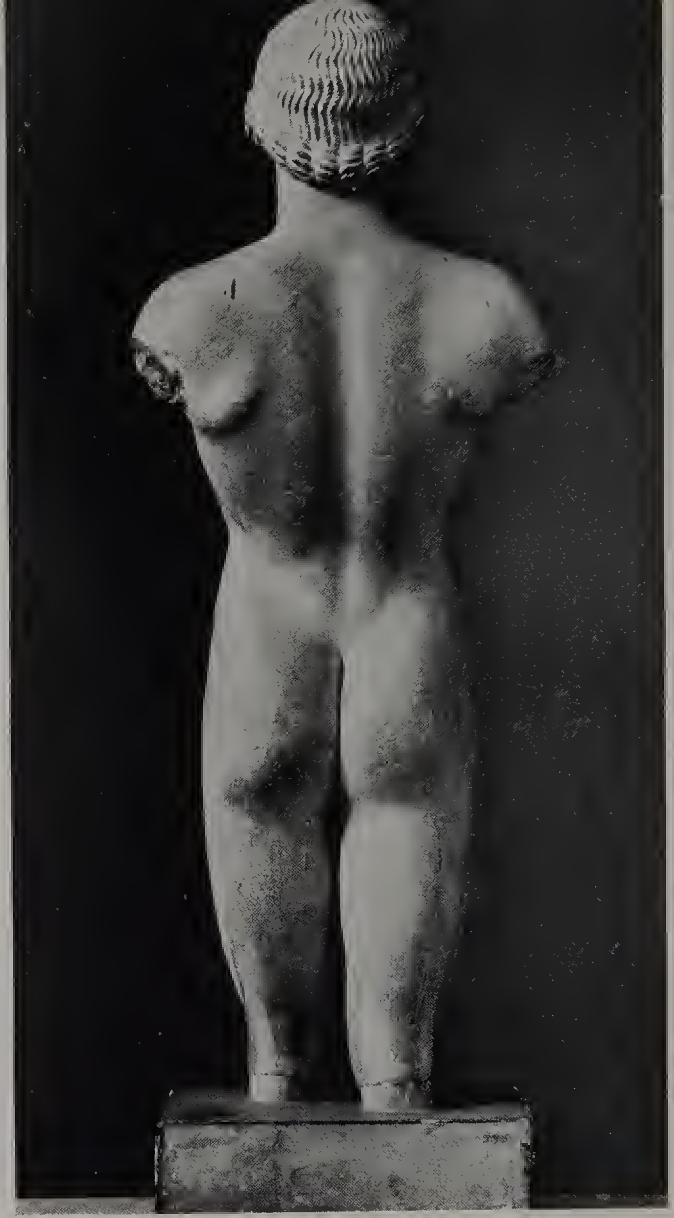


Fig. 29. Back view of Fig. 28 (from a cast)

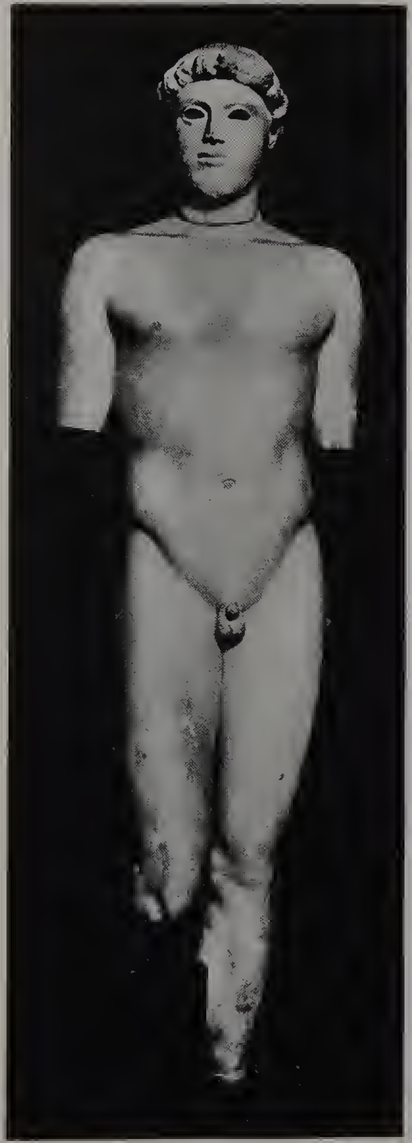


Fig. 30. Youth

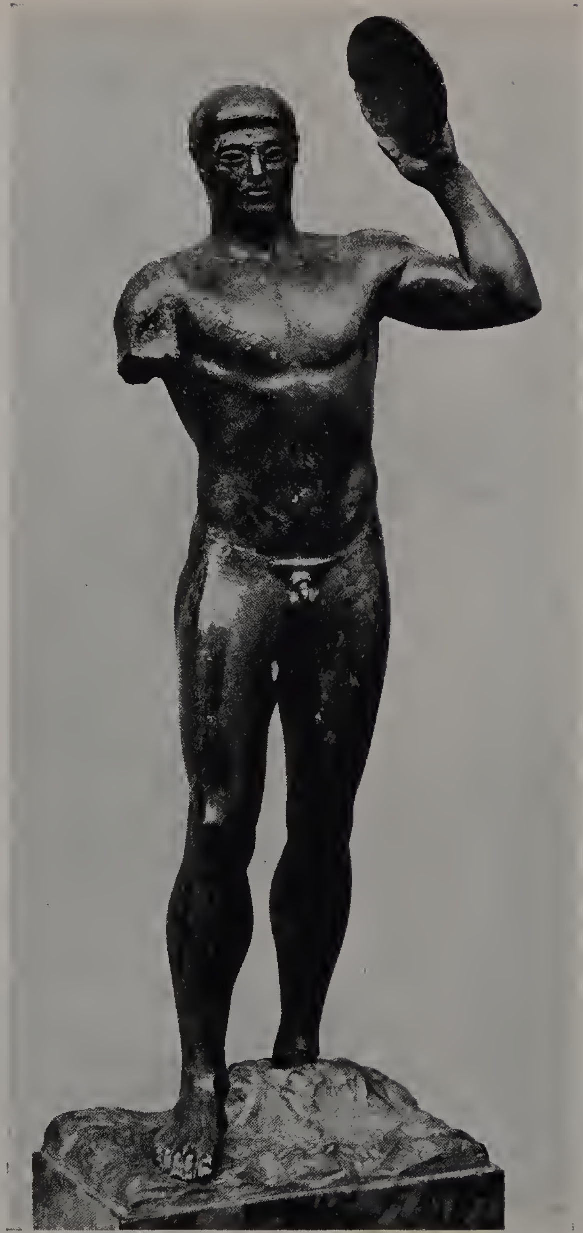


Fig. 31. Bronze statuette of a disk-thrower

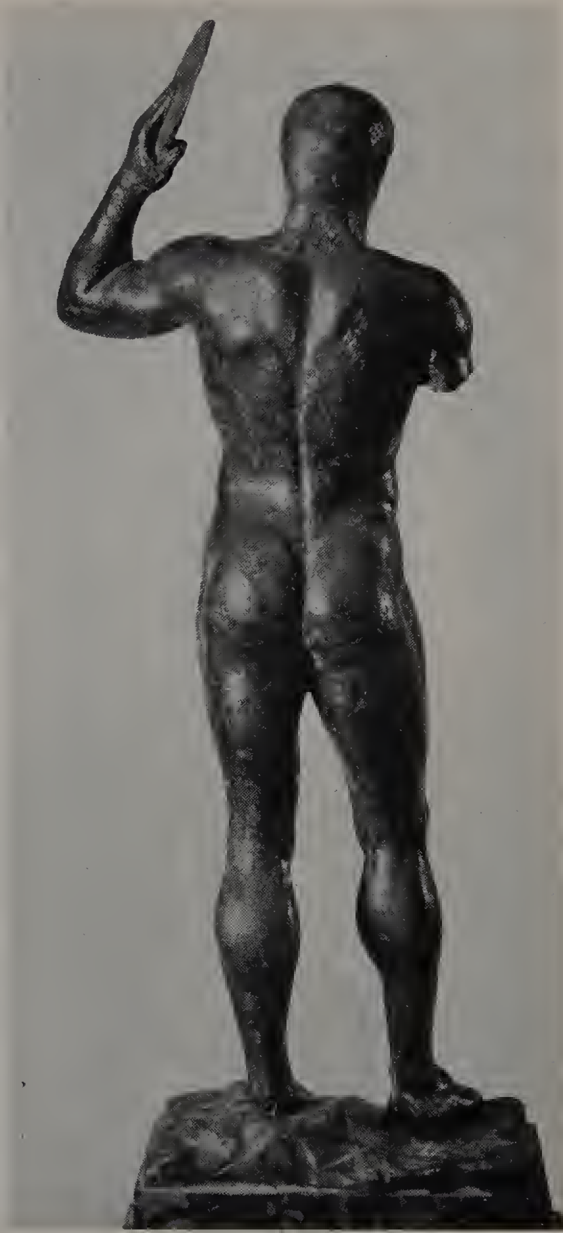


Fig. 32. Back view of Fig. 31

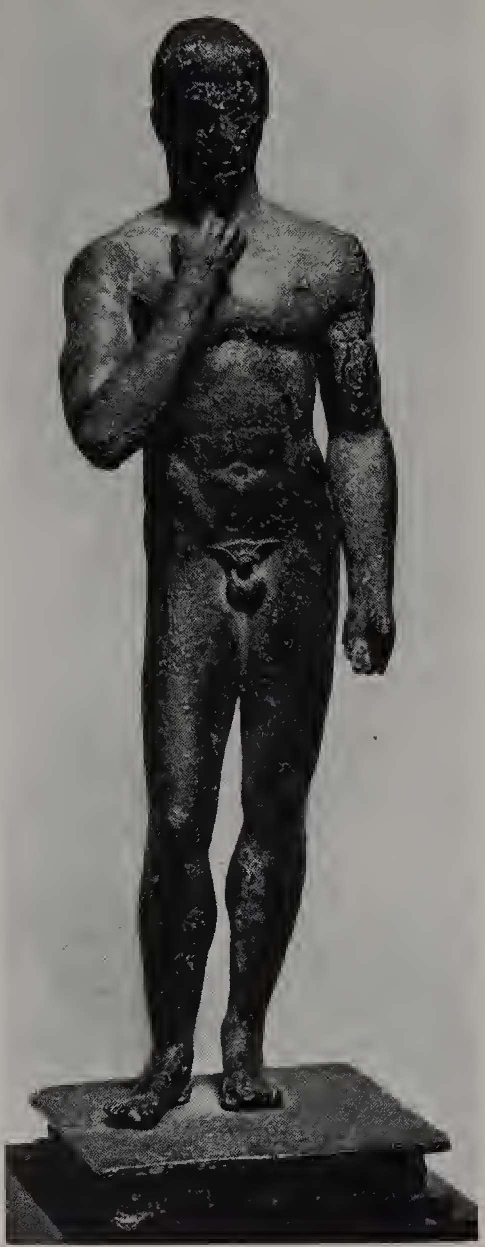


Fig. 33. Bronze statuette of a youth
Metropolitan Museum of Art
(Cf. p. 55)

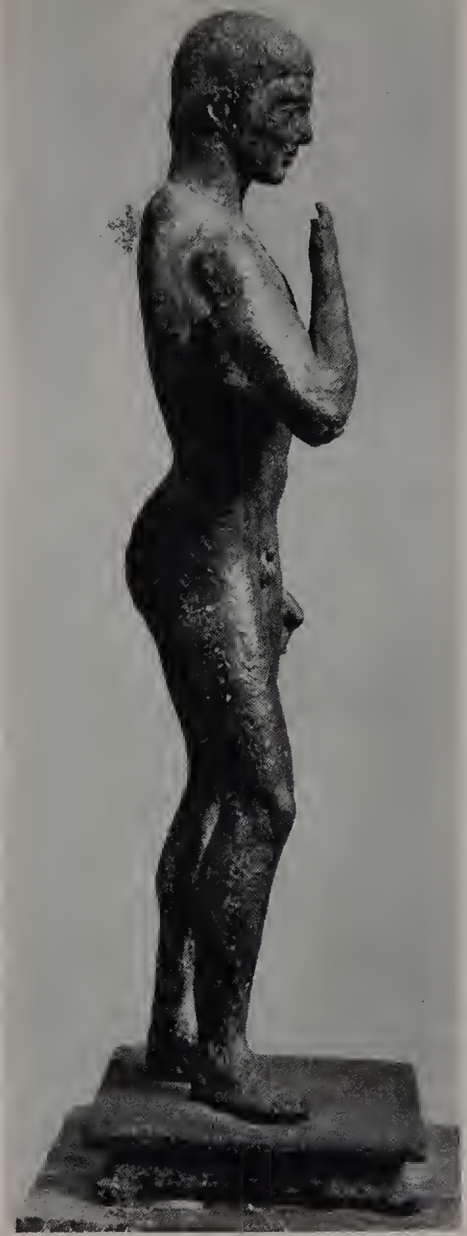


Fig. 34. Side view of Fig. 33

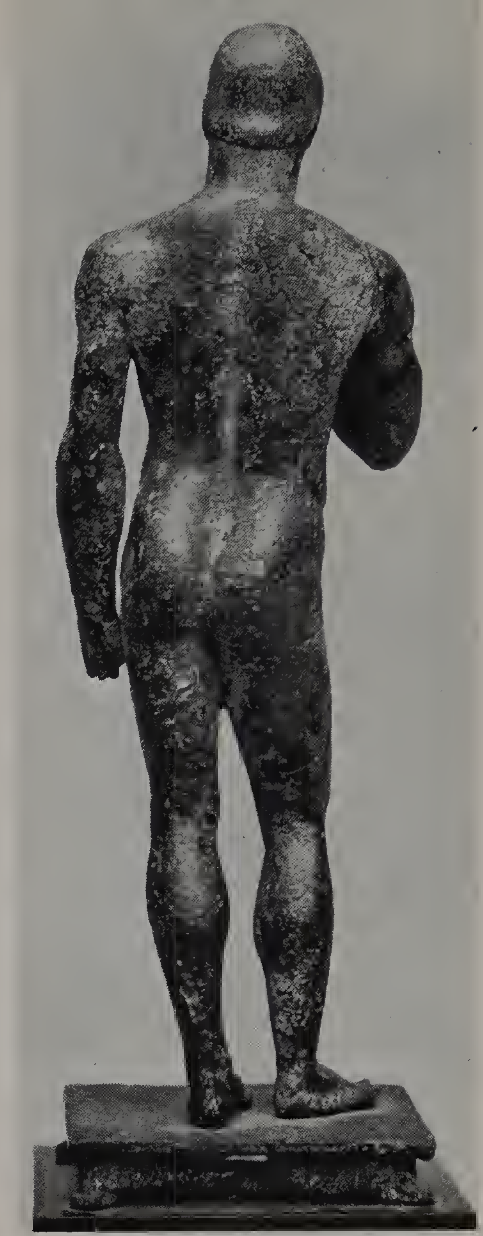


Fig. 35. Back view of Fig. 33

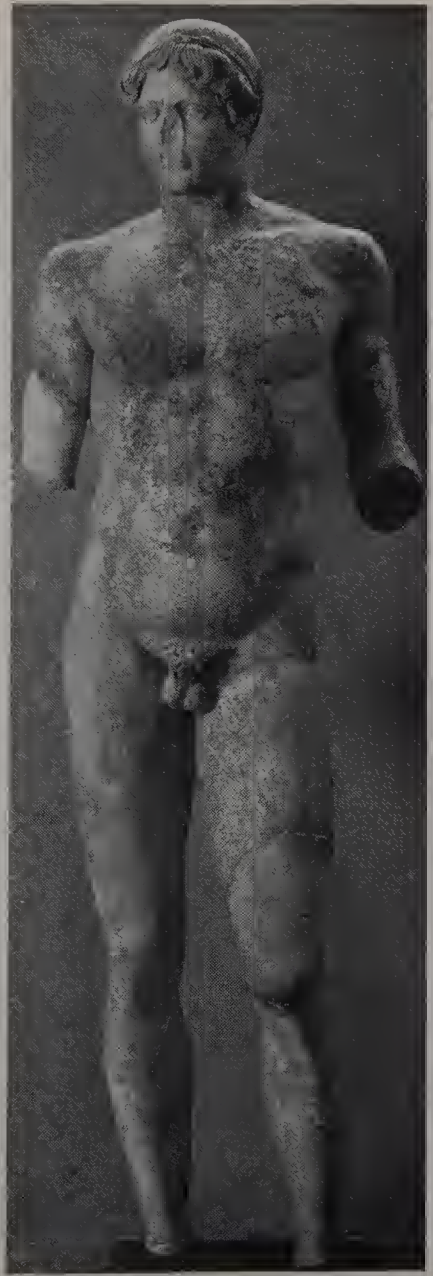


Fig. 36. "Omphalos Apollo" from Athens

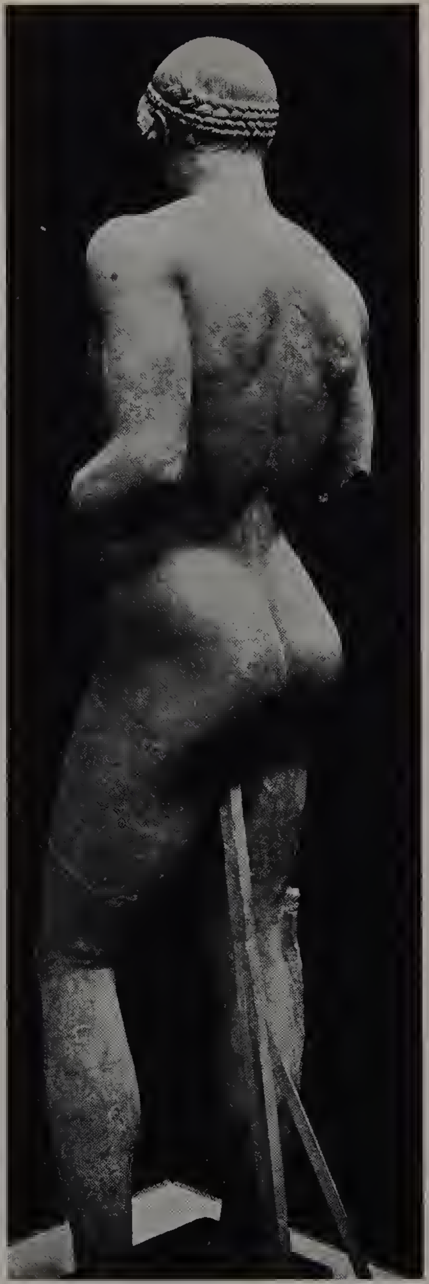


Fig. 37. Back view of Fig. 36

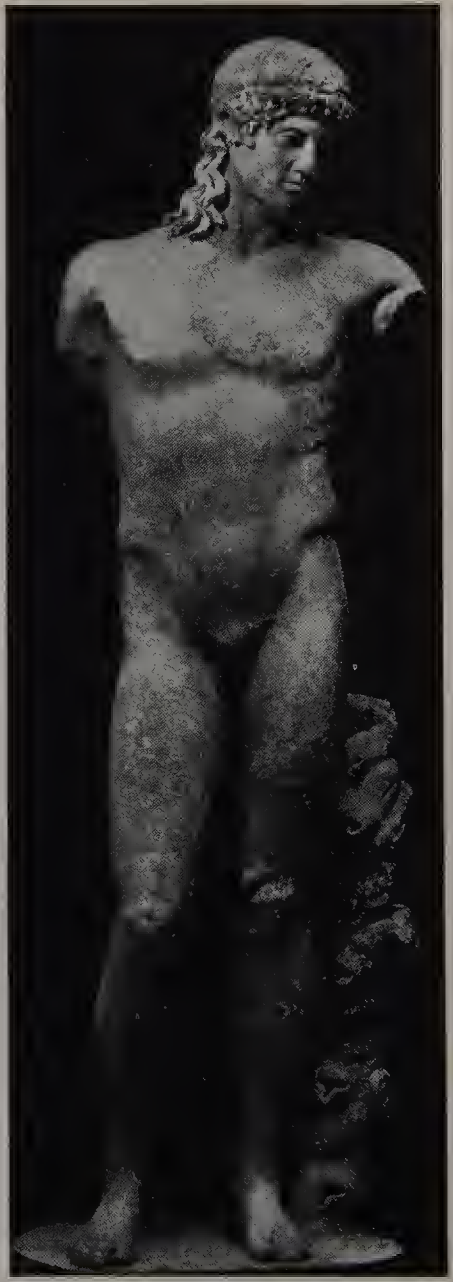


Fig. 38. "Apollo," from the Tiber
Museo Nazionale delle Terme, Rome

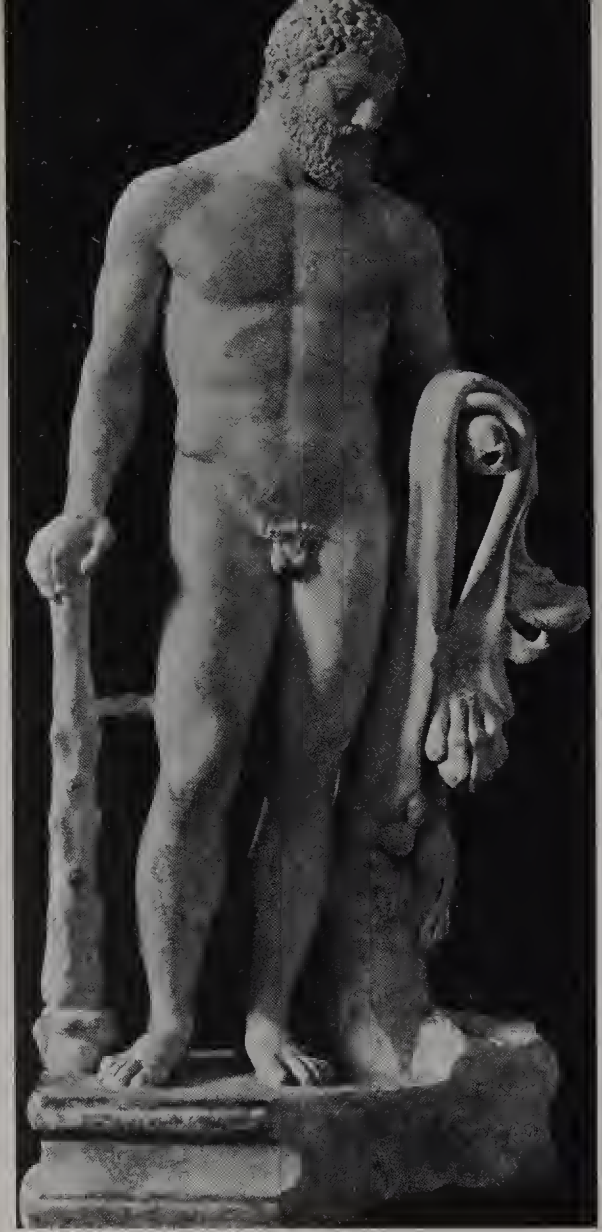


Fig. 39. Statuette of Herakles
Museum of Fine Arts, Boston
(Cf. pp. 55, 211)

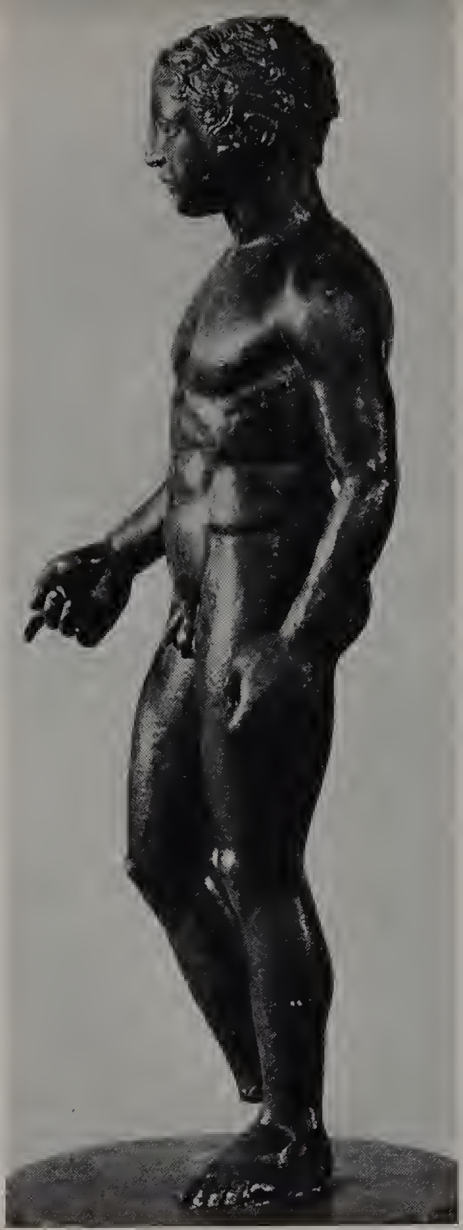


Fig. 40. Bronze statuette of a youth
Metropolitan Museum of Art
(Cf. p. 56)

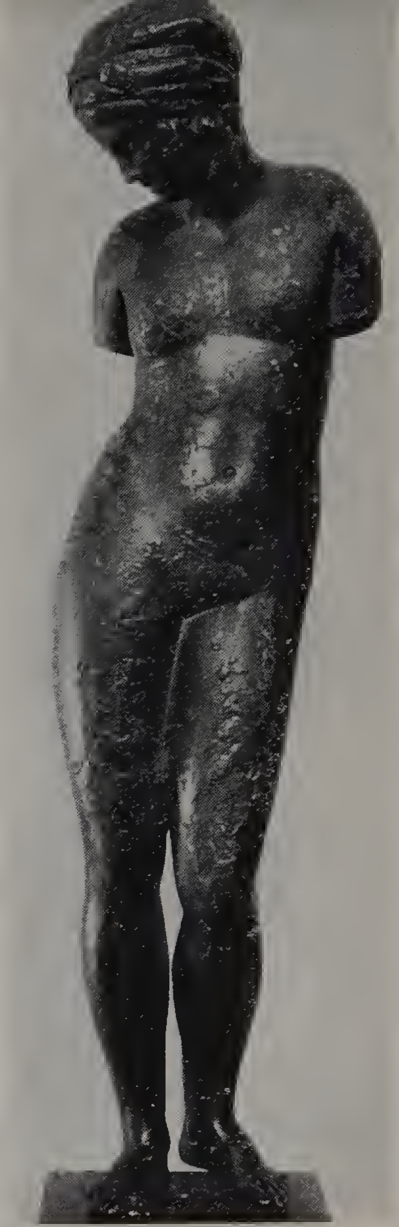


Fig. 41. Bronze statuette of a girl
Museum für antike Kleinkunst, Munich
(Cf. p. 57)

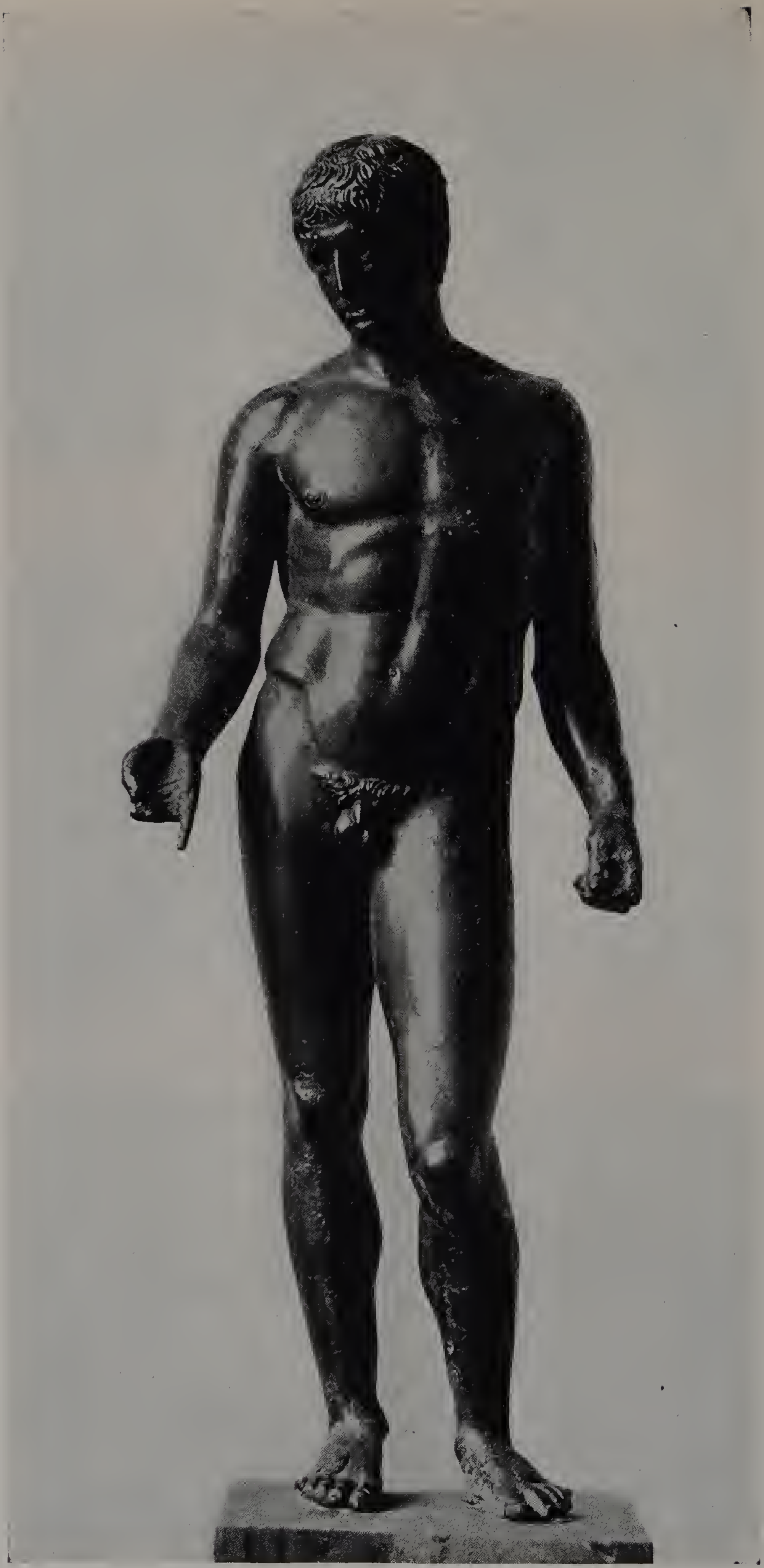


Fig. 42. Bronze statuette of a youth

The Louvre, Paris

(Cf. p. 56)

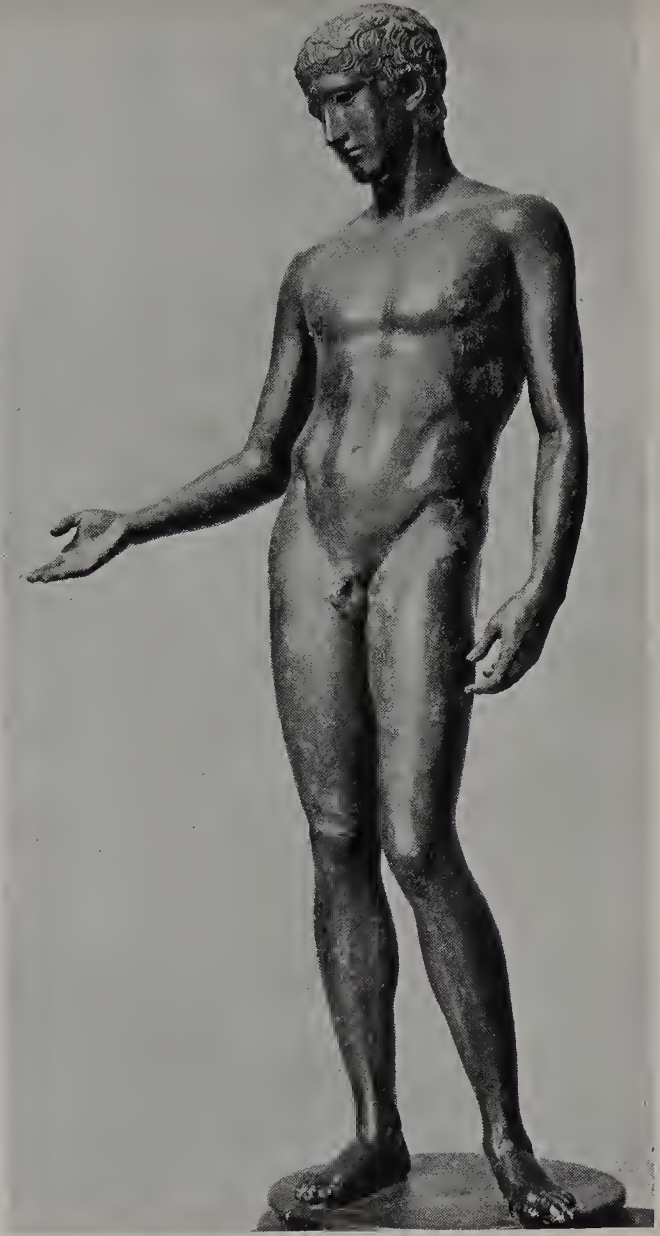


Fig. 43. Bronze statue, the Idolino
Museo Archeologico, Florence
(Cf. pp. 56, 251)

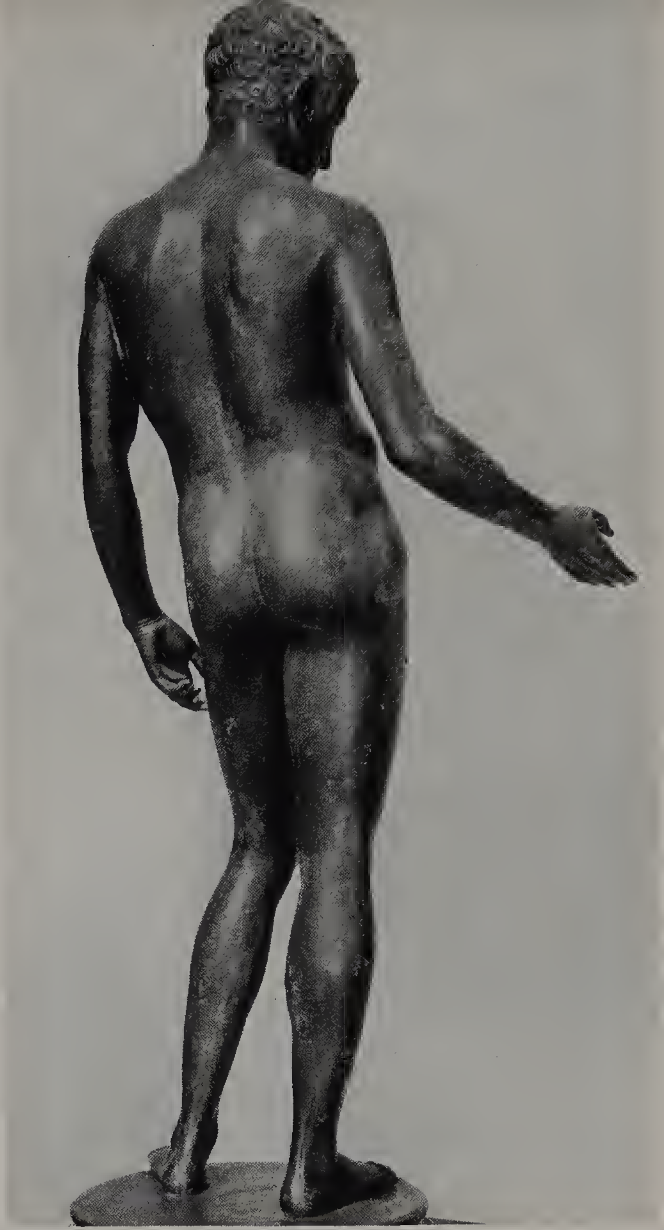


Fig. 44. Back view of Fig. 43

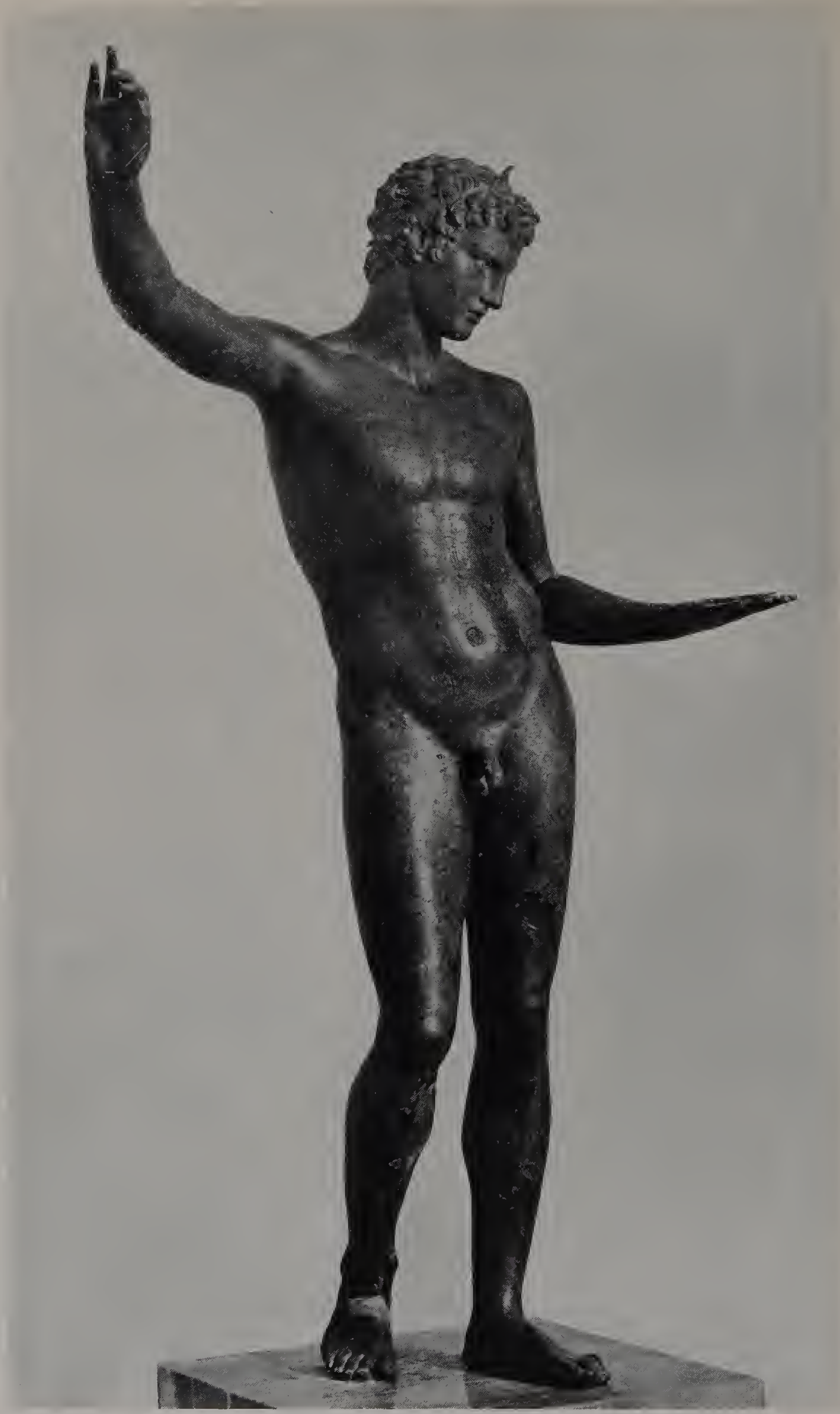


Fig. 46. Bronze statue of a youth found in the Bay of Marathon

National Museum, Athens

(Cf. p. 58)

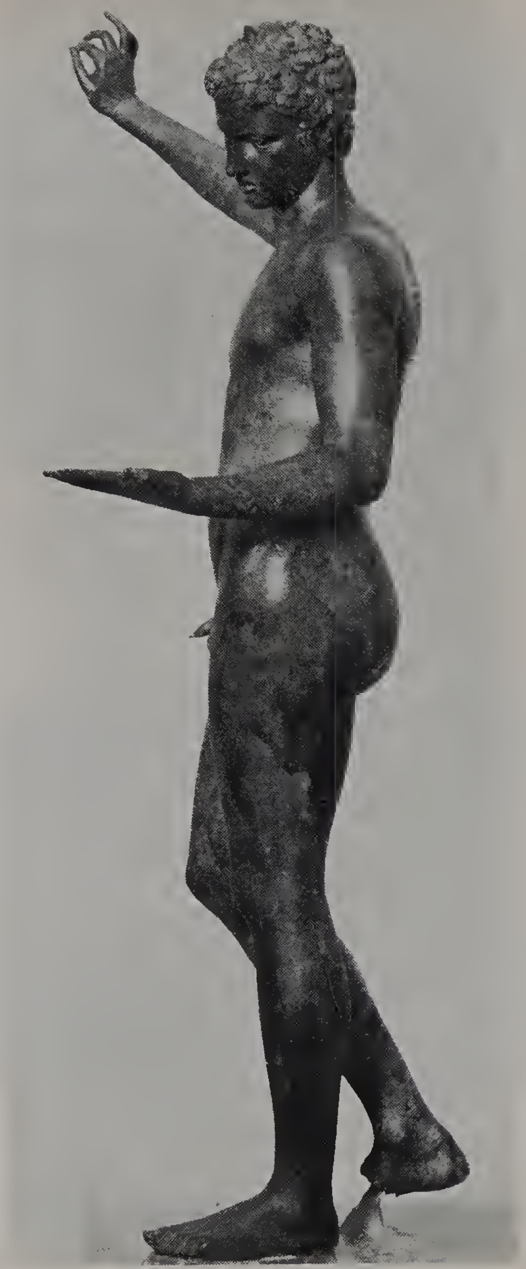


Fig. 47. Side view of Fig. 46

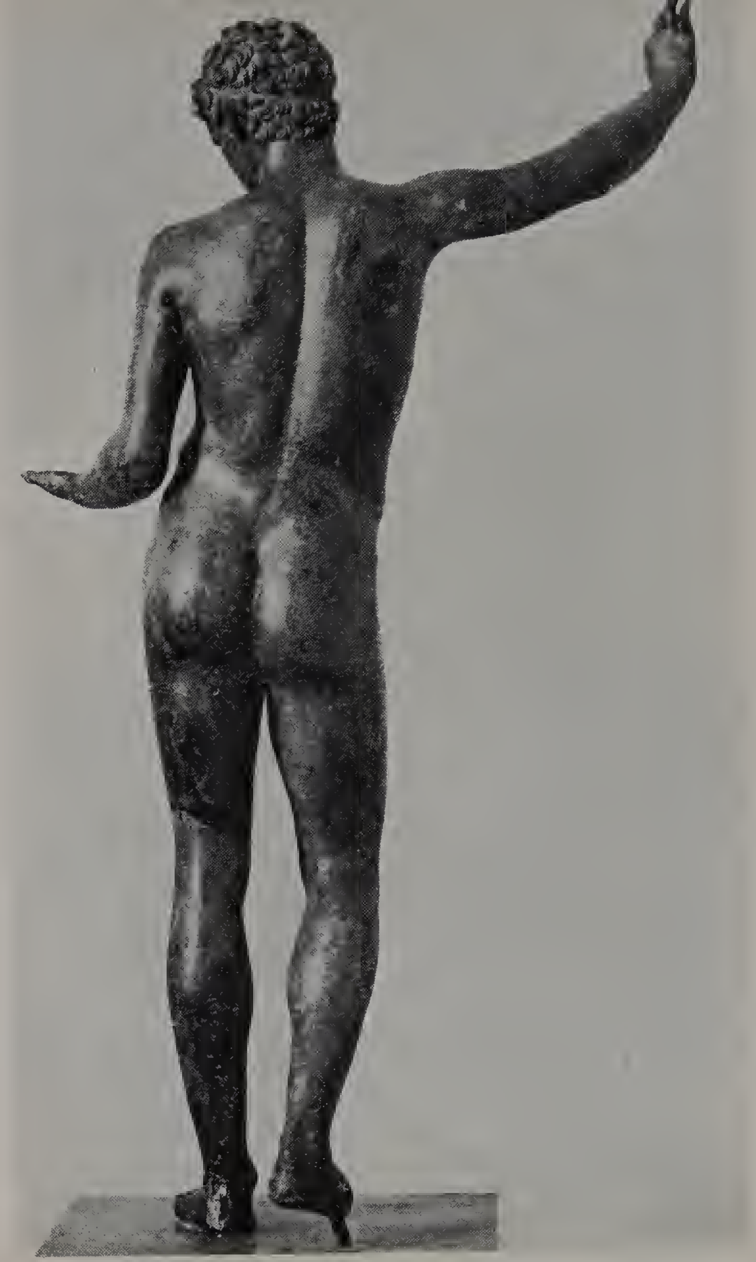


Fig. 48. Back view of Fig. 46

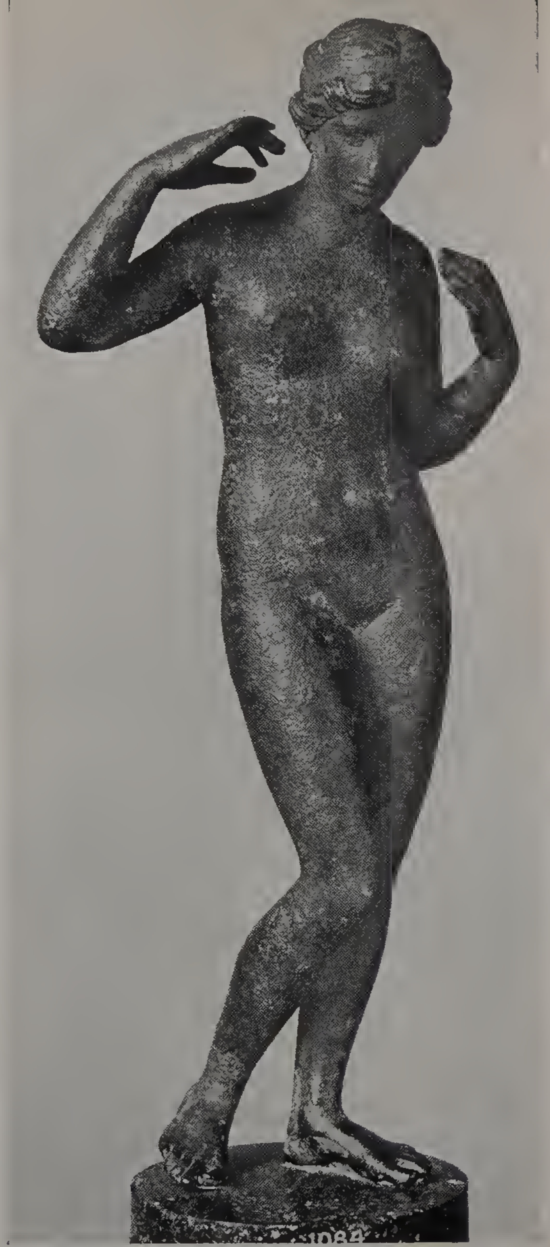


Fig. 49. Bronze statuette of Aphrodite
British Museum, London
(Cf. p. 58)

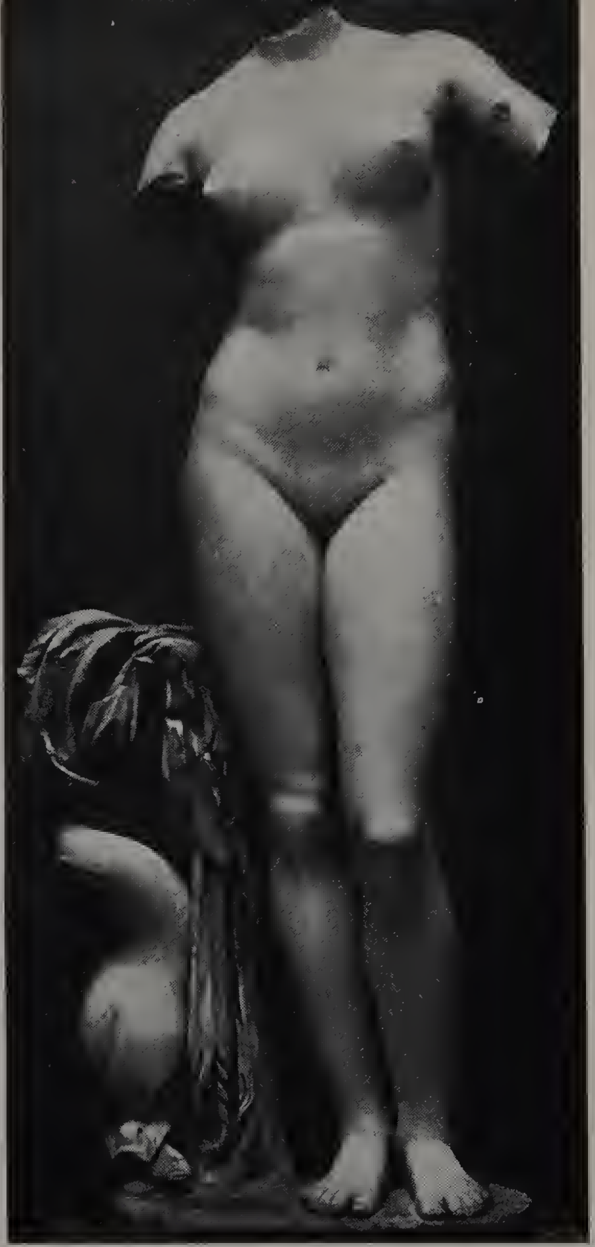


Fig. 50. Aphrodite, from Kyrene
Museo Nazionale delle Terme, Rome
(Cf. p. 58)

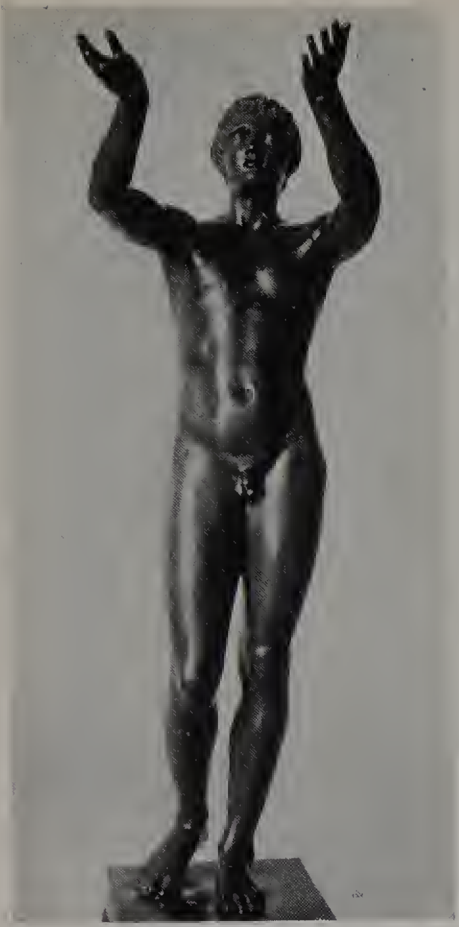


Fig. 51. Bronze statue of a praying boy
Staatliche Museen, Berlin
(Cf. pp. 59, 291)

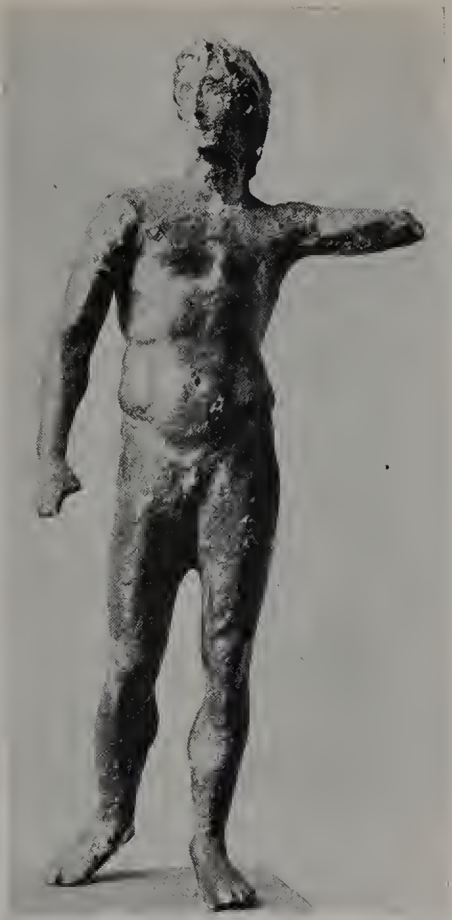


Fig. 52. Bronze statuette of Alexander
The Louvre, Paris
(Cf. p. 59)

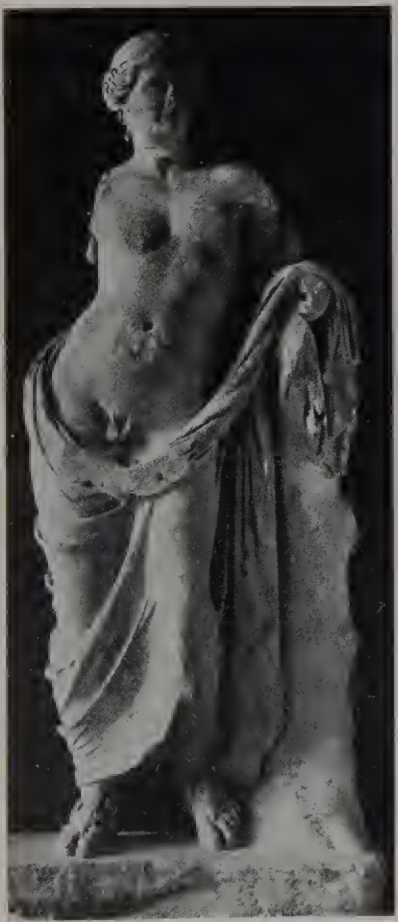


Fig. 53. Hermaphrodite
Musées d'Antiquités de Stamboul (Constantinople)
(Cf. p. 59)

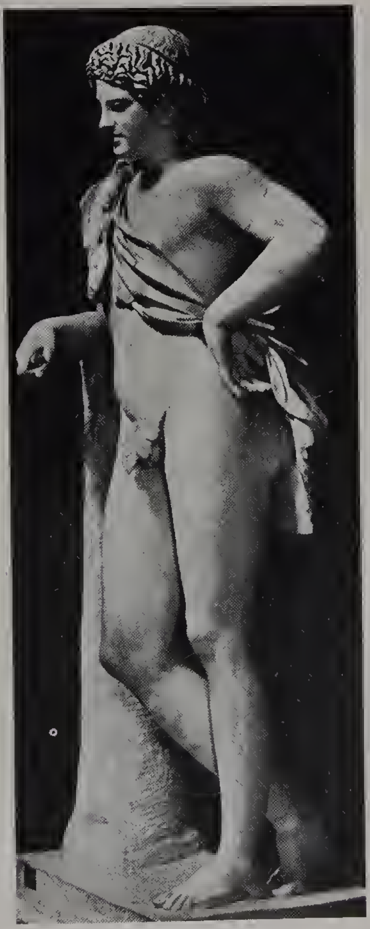


Fig. 54. Satyr
Capitoline Museum, Rome
(Cf. pp. 59, 264)

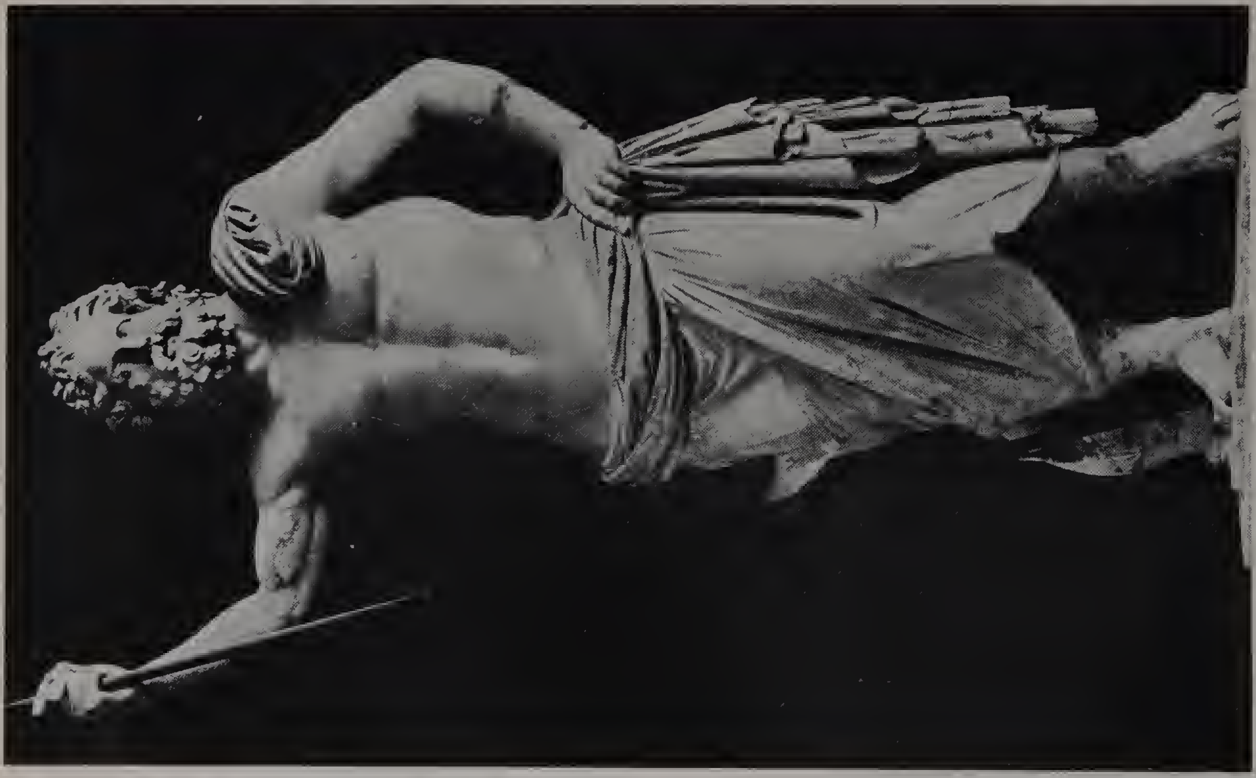


Fig. 55. Poseidon
National Museum, Athens

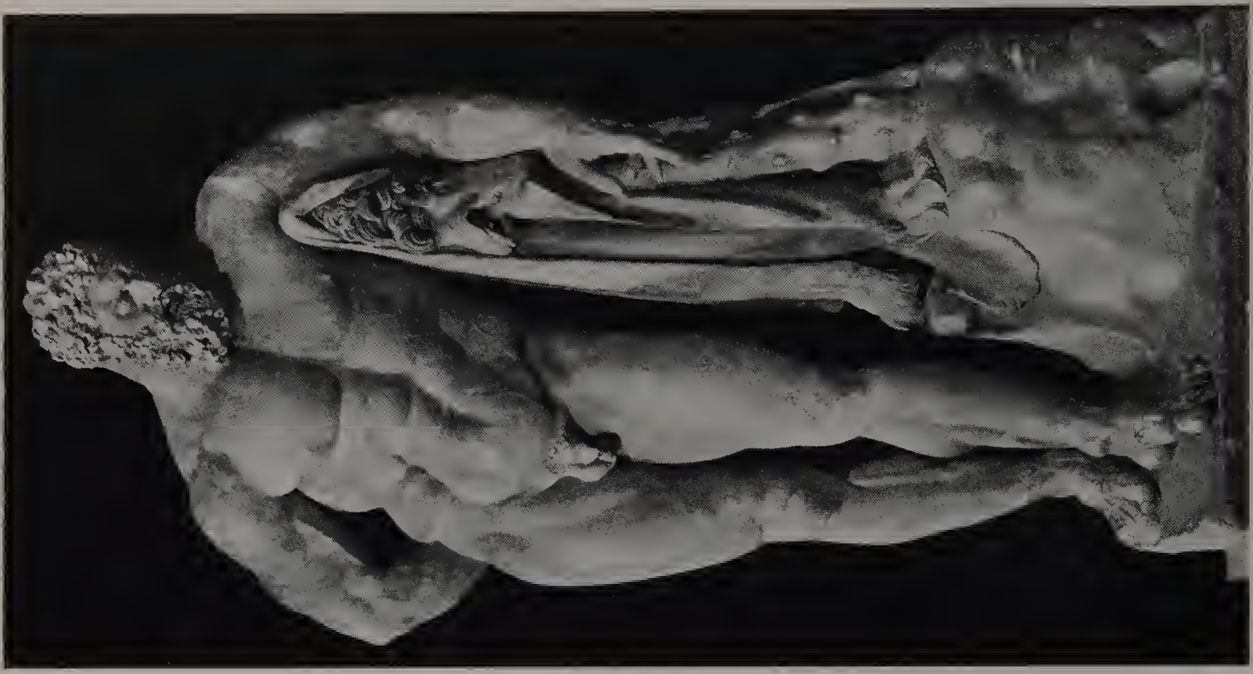


Fig. 56. Farnese Herakles
Museo Nazionale, Naples

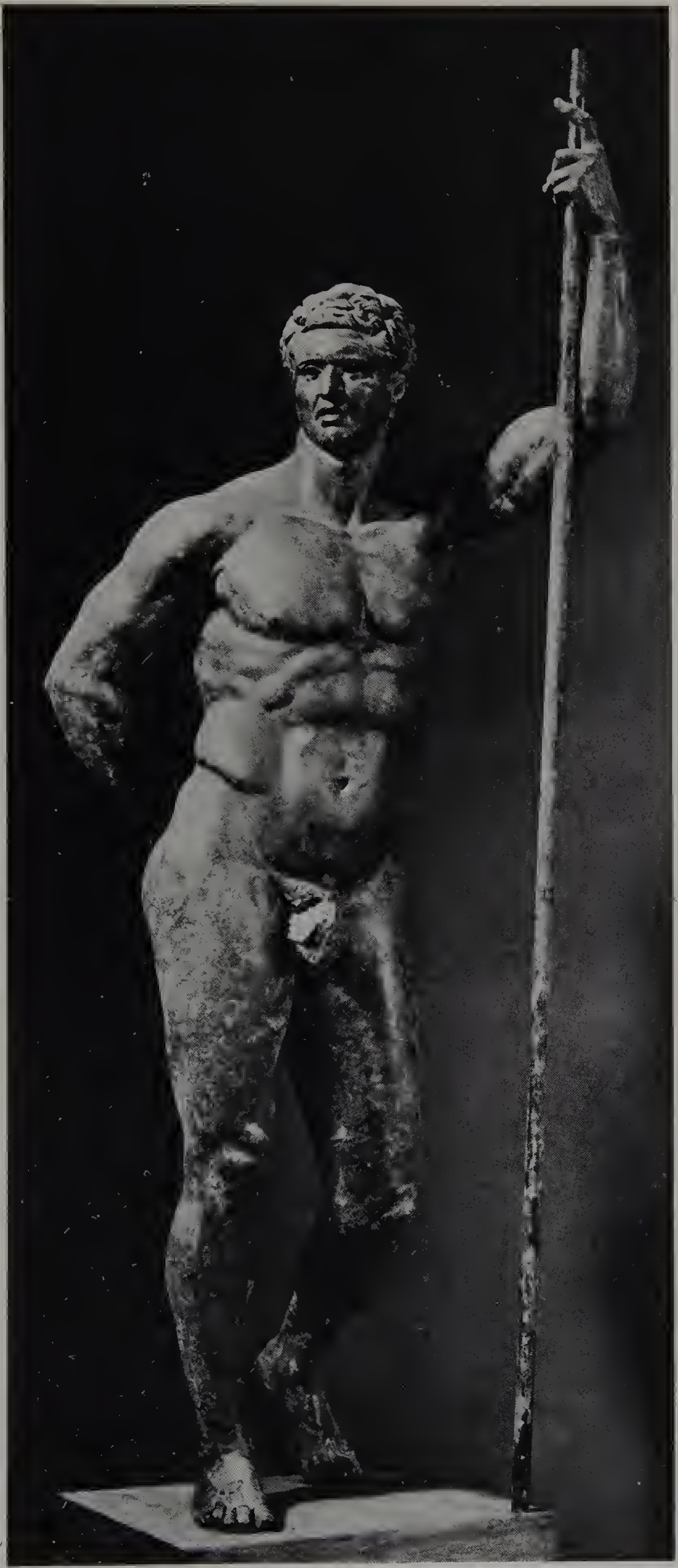


Fig. 57. Bronze statue of a "Hellenistic Prince"

Museo Nazionale delle Terme, Rome

(Cf. p. 59)

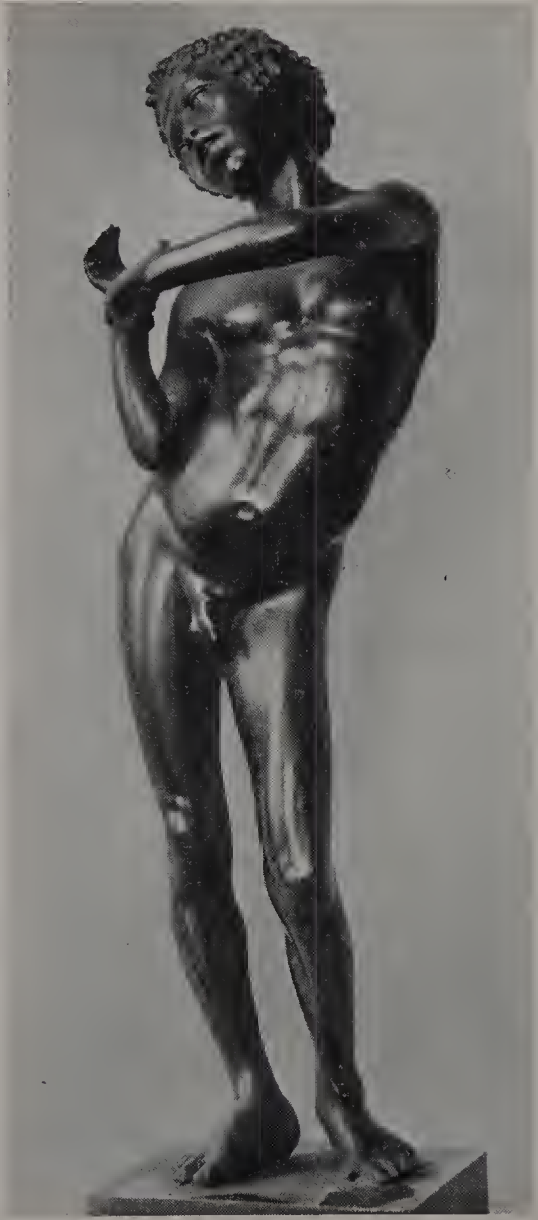


Fig. 58. Bronze statuette of a negro musician
Bibliothèque Nationale, Paris

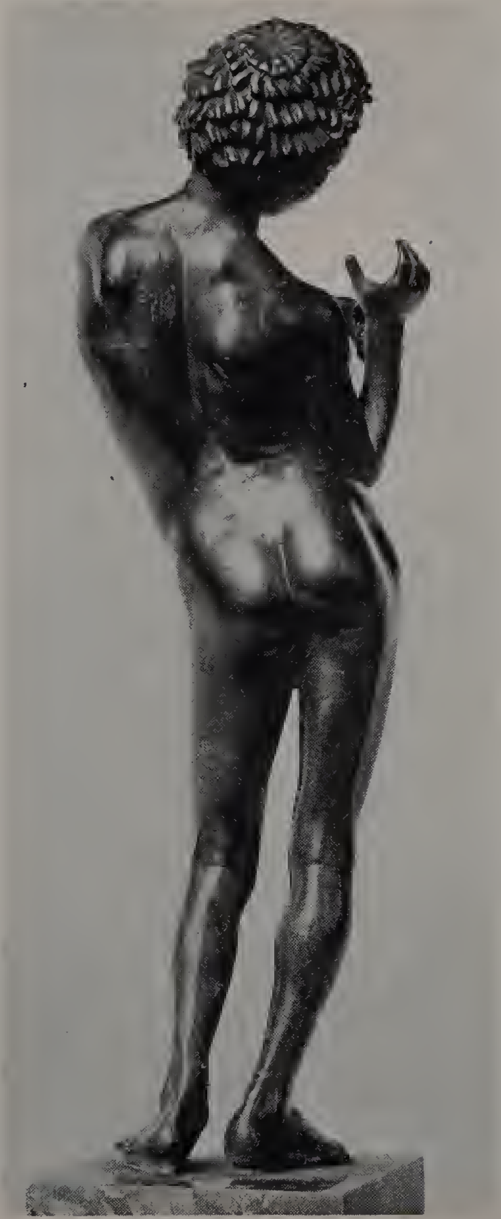


Fig. 59. Back view of Fig. 58

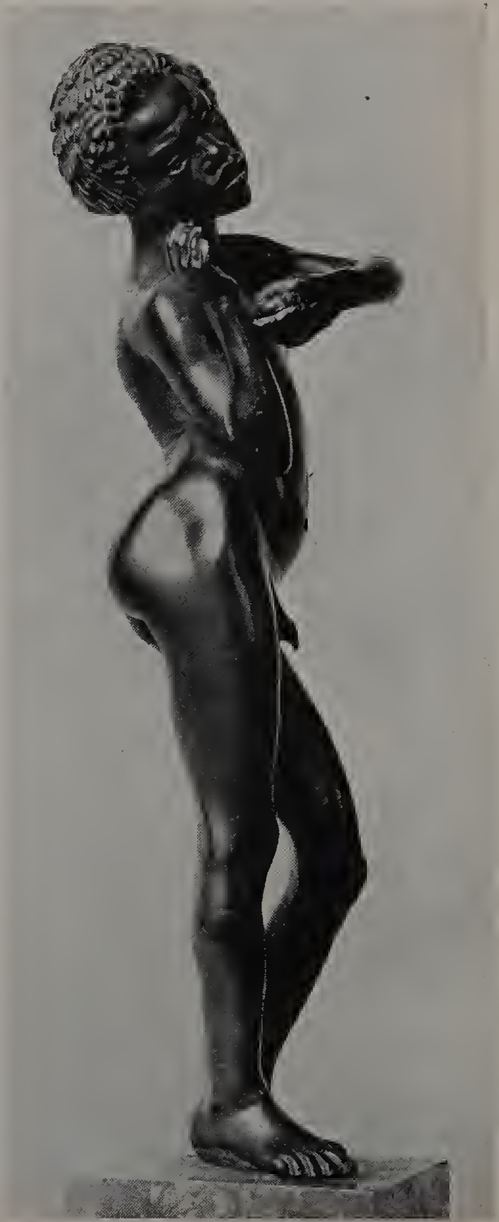


Fig. 60. Side view of Fig. 58

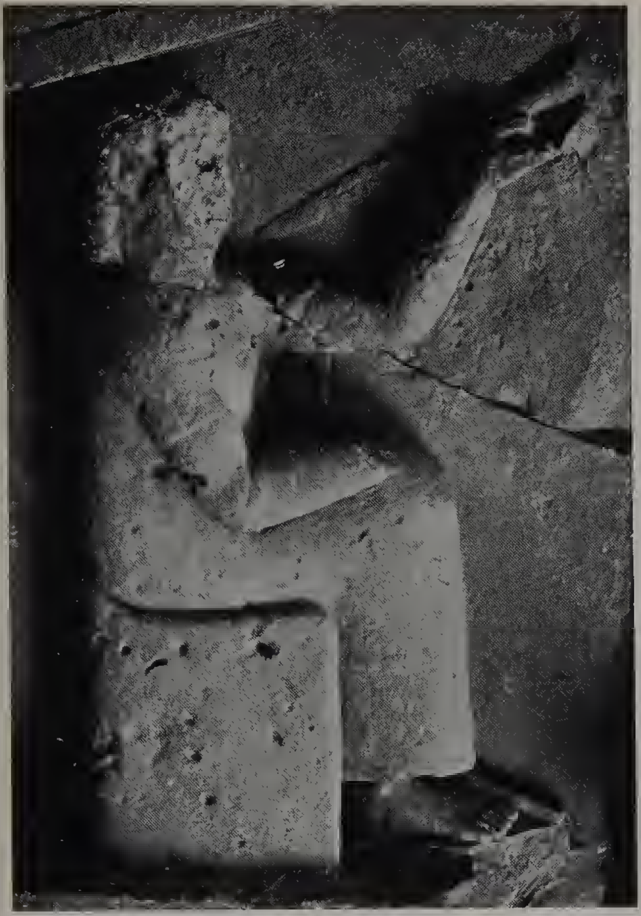
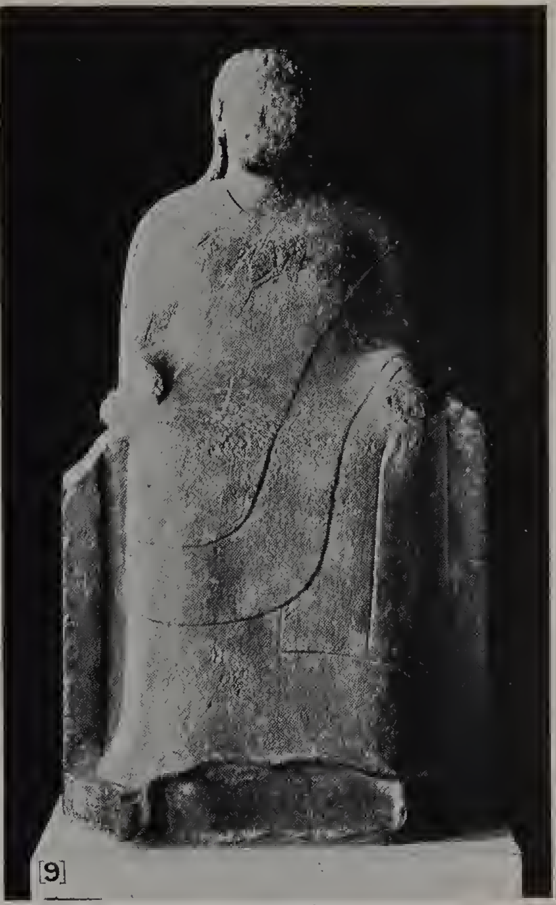


Fig. 61. Seated figure, from the western pediment of the Corfu temple
Corfu Museum
(Cf. pp. 60, 119)



Photograph by W. F. Mansell

Fig. 62. Figure from Branchidai
British Museum, London
(Cf. p. 60)

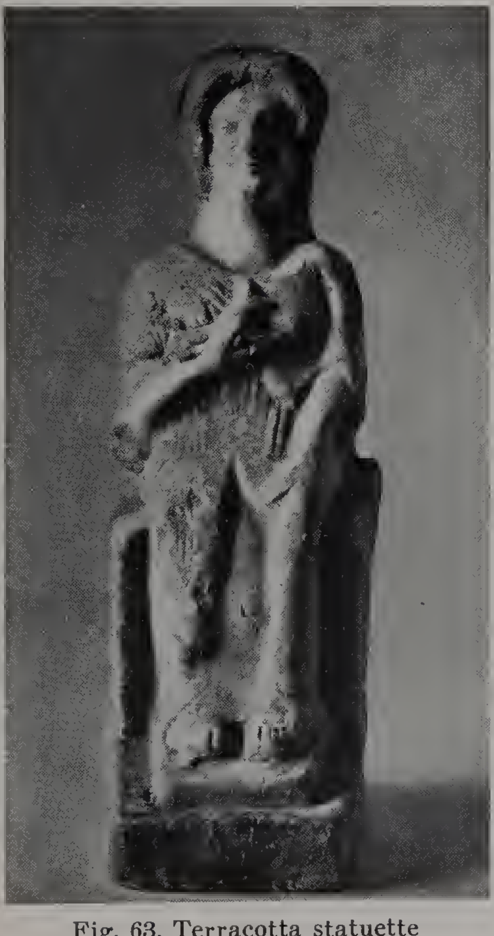


Fig. 63. Terracotta statuette
Metropolitan Museum of Art
(Cf. p. 60)

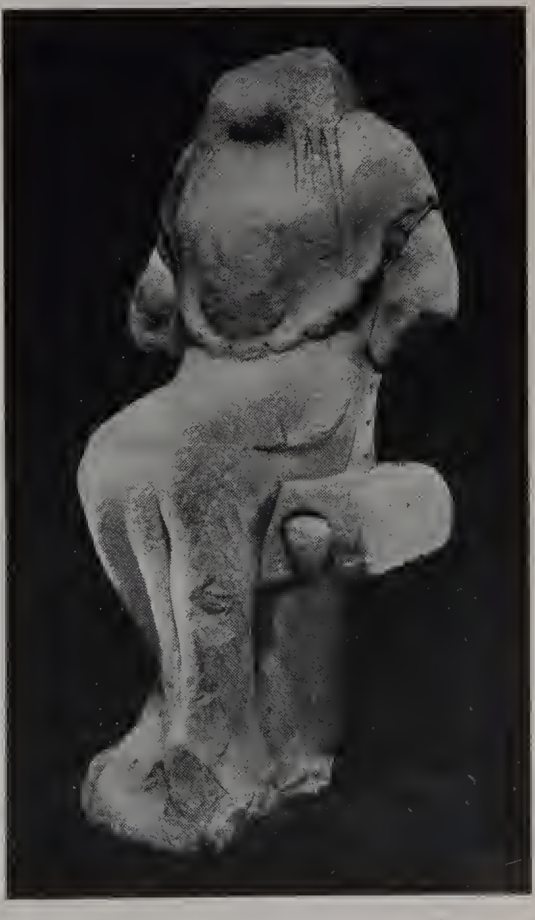


Fig. 64. Athena, perhaps by Endoios
Akropolis Museum, Athens
(Cf. pp. 60, 196)

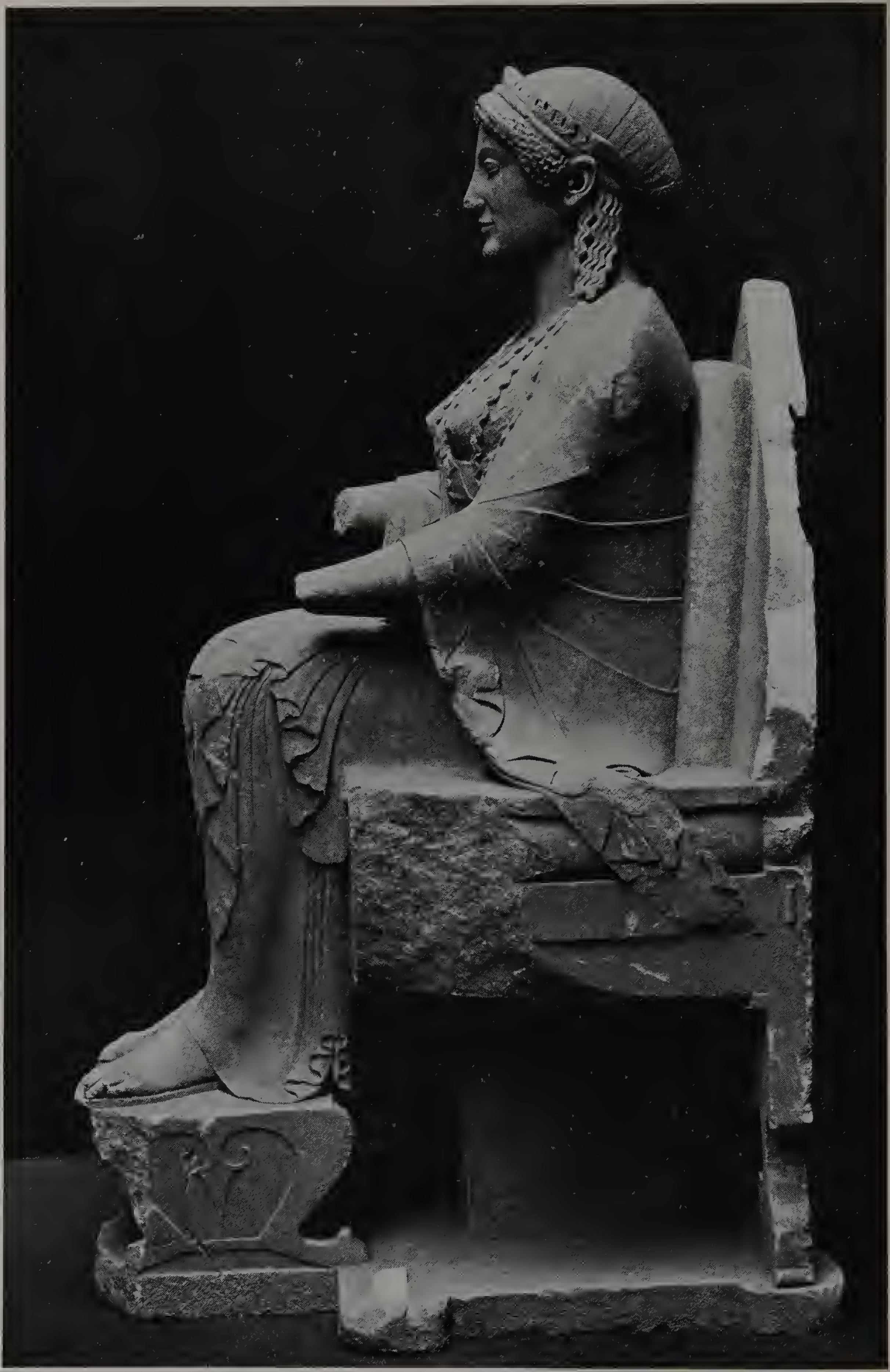


Fig. 65. Seated goddess

Staatliche Museen, Berlin

(Cf. pp. 60, 96)

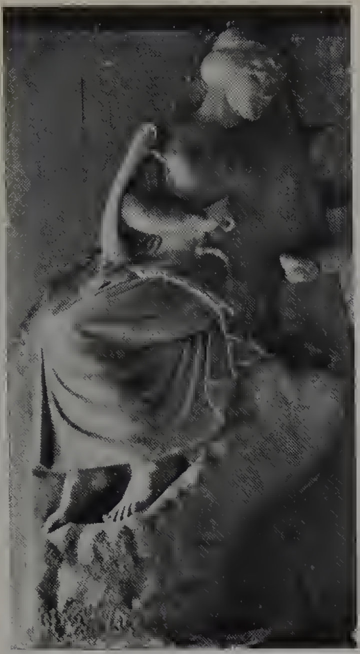


Fig. 66. Athena, from a metope of the temple of Zeus at Olympia

The Louvre, Paris

(Cf. p. 61)

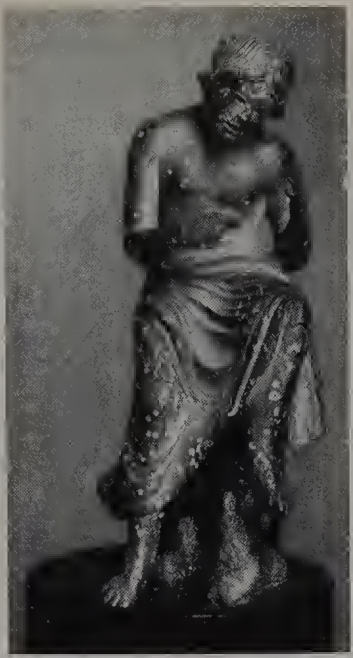


Fig. 67. Bronze statuette of a lyre-player

The Hermitage, Leningrad

(Cf. pp. 61, 201)

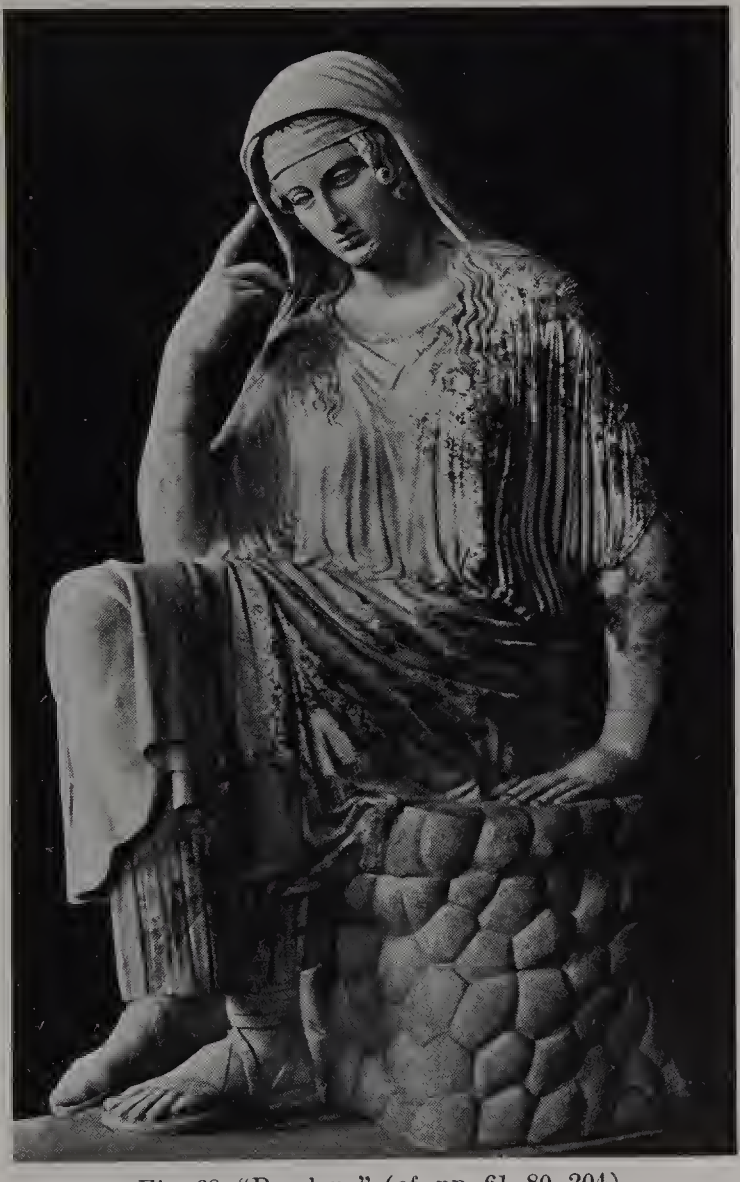


Fig. 68. "Penelope" (cf. pp. 61, 80, 204)

The Vatican, Rome

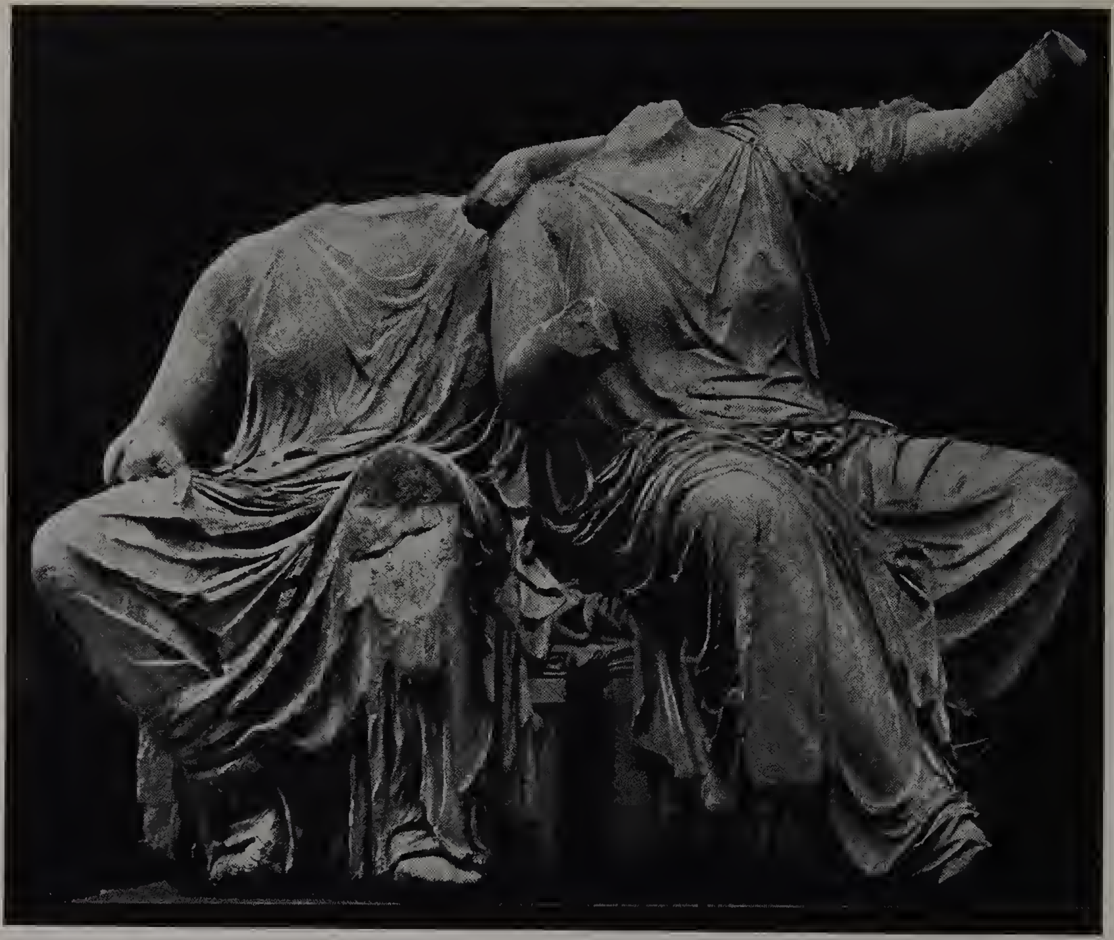


Fig. 69. "Demeter and Persephone," from the eastern pediment of the Parthenon
British Museum, London
(Cf. pp. 61, 98, 230)

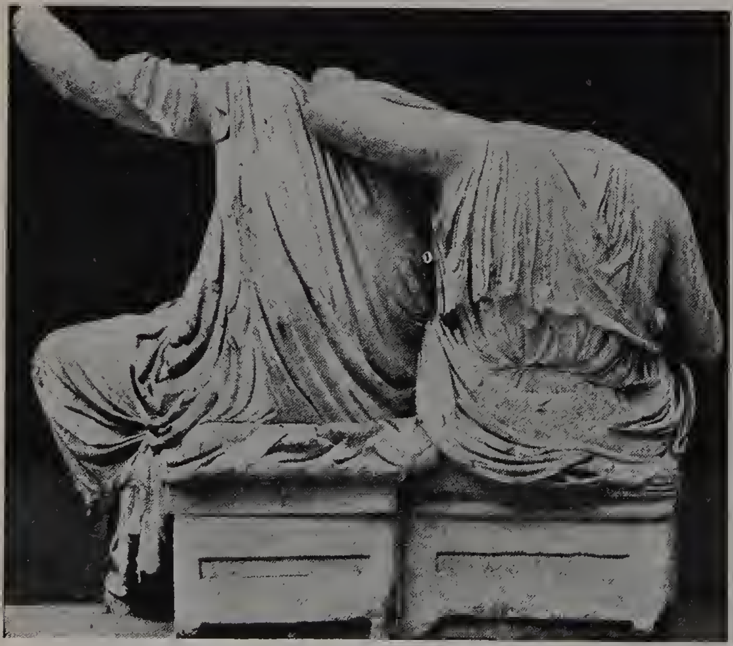


Fig. 70. Back view of Fig. 69
(Cf. pp. 61, 145)

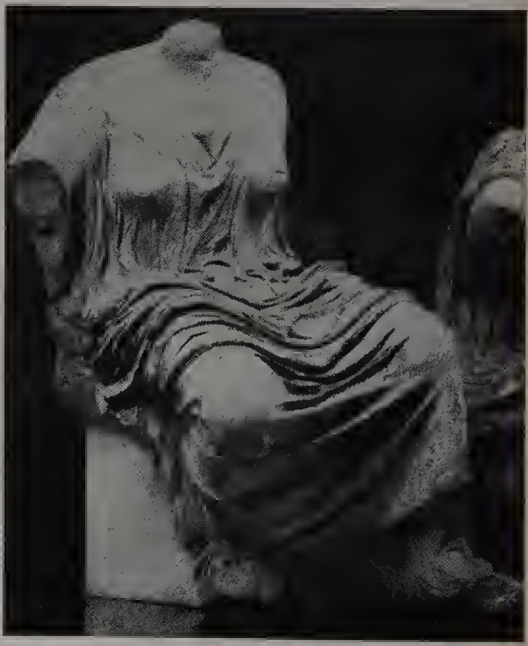


Fig. 71. One of the "Fates"
from the eastern pediment of the Parthenon
British Museum, London
(Cf. pp. 61, 230)

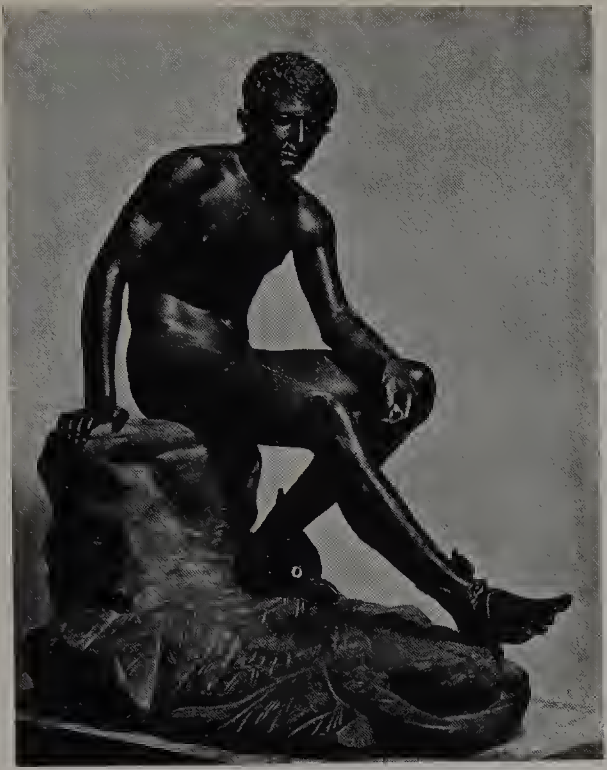


Fig. 72. Bronze statue of Hermes
Museo Nazionale, Naples
(Cf. pp. 61, 291)

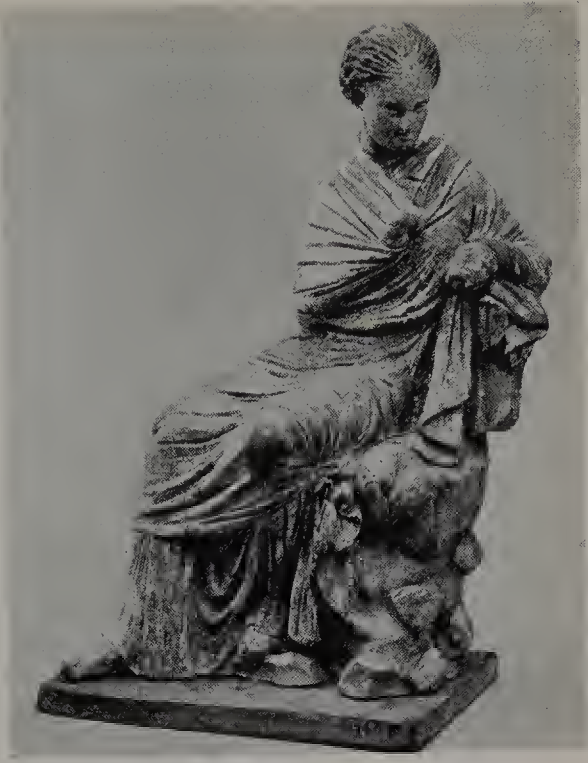


Fig. 73. Terracotta statuette
Metropolitan Museum of Art
(Cf. p. 61)

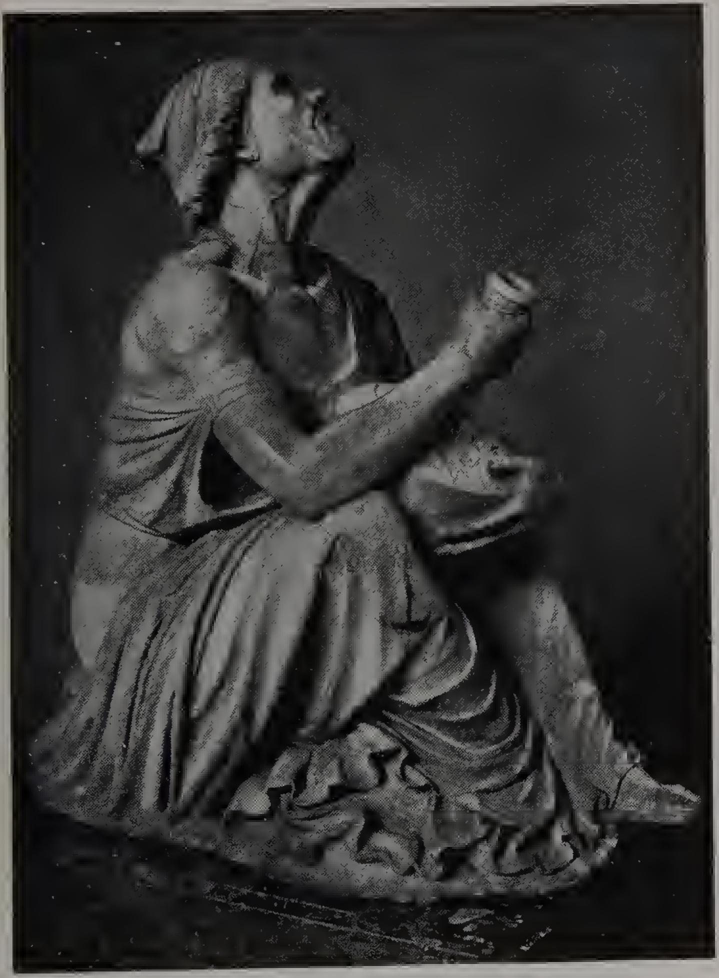


Fig. 74. Drunken woman
The Glyptothek, Munich
(Cf. pp. 61, 82)

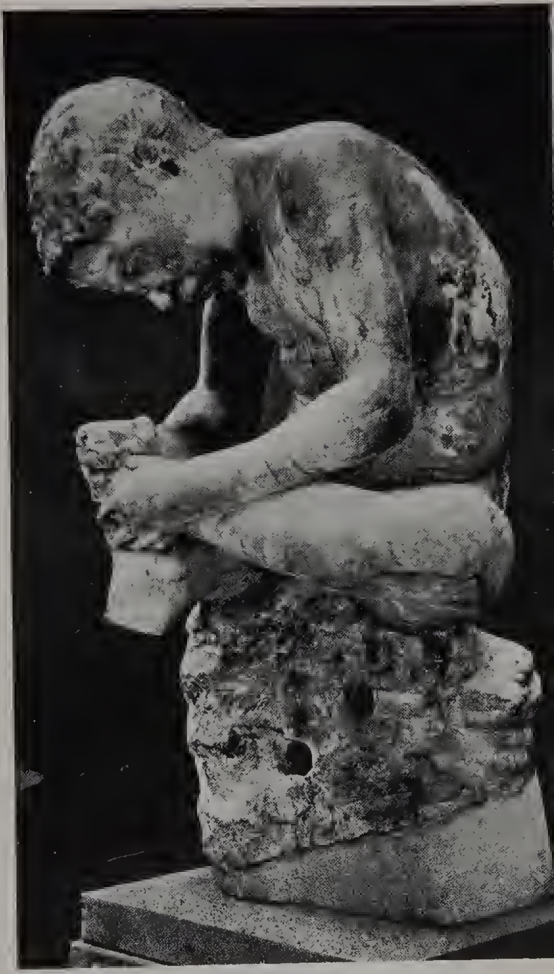


Fig. 75. Boy extracting a thorn
British Museum, London
(Cf. pp. 61, 82)

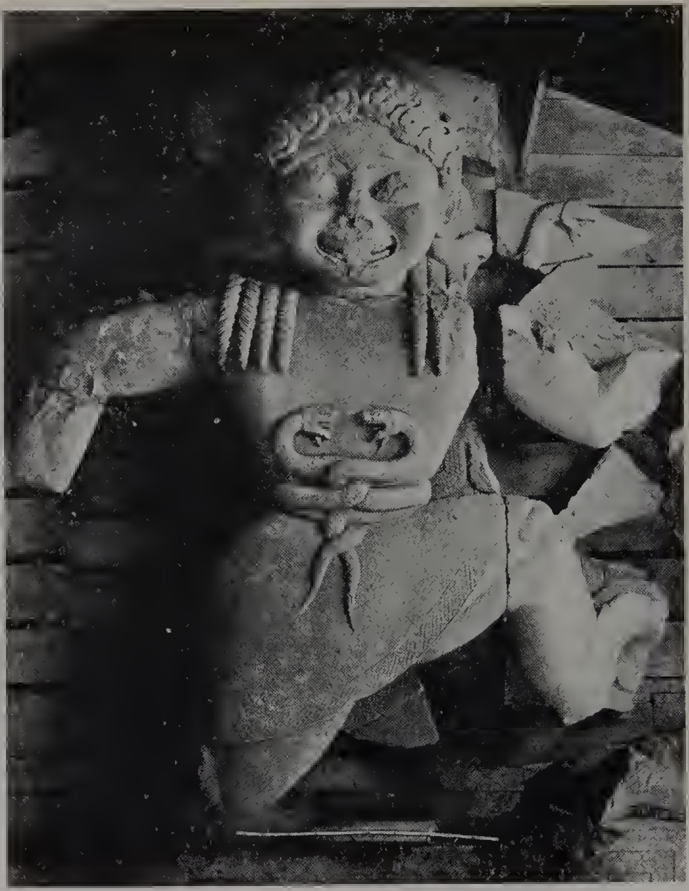


Fig. 76. Gorgon, from the western pediment at Corfu
Corfu Museum
(Cf. p. 62)

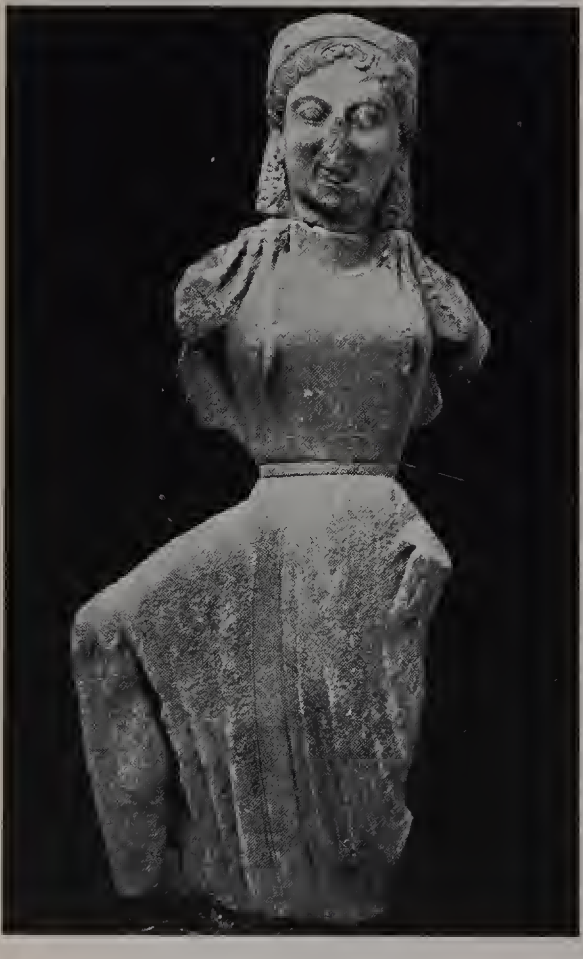


Fig. 77. Nike, from Delos
National Museum, Athens
(Cf. p. 62)

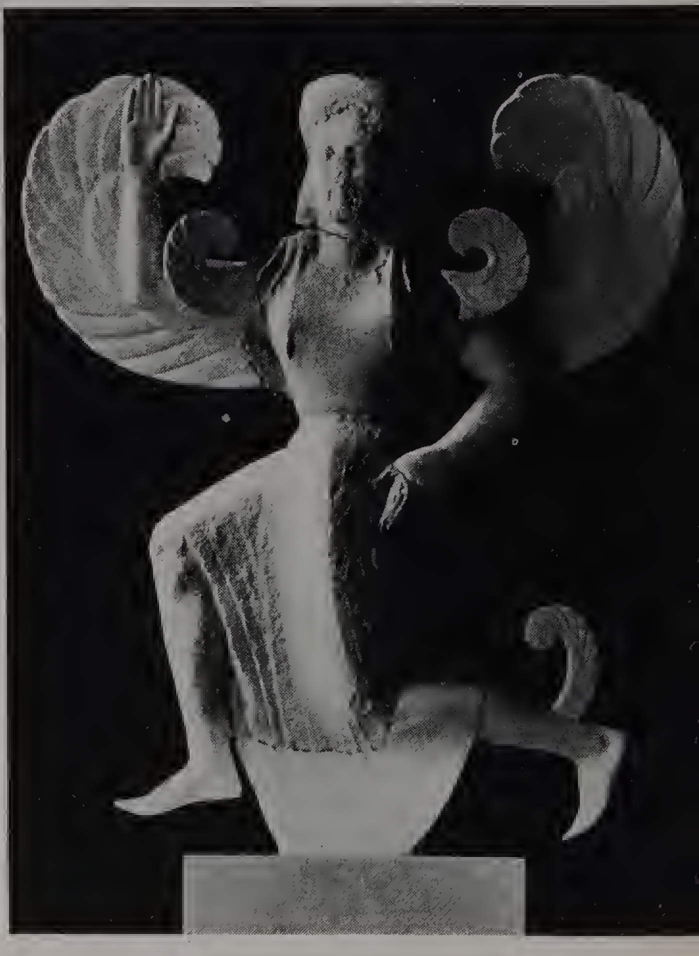


Fig. 78. Fig. 77 reconstructed (from a cast)
(Cf. p. 62)

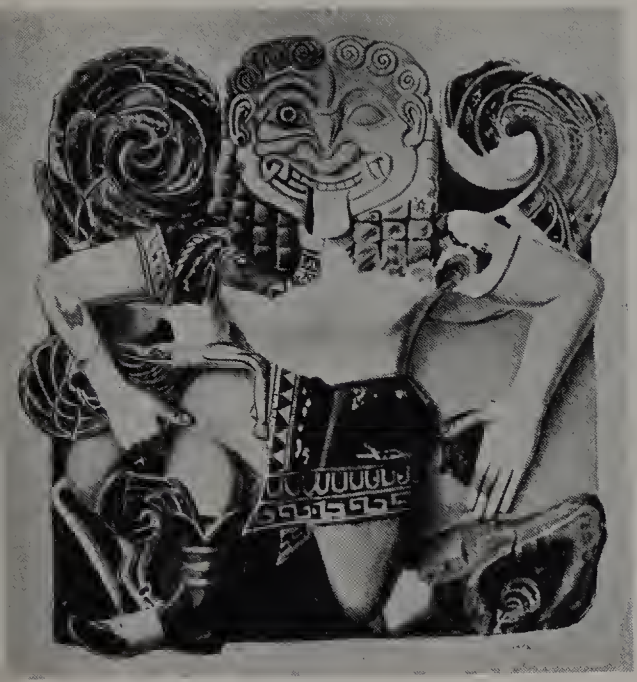


Fig. 79. Gorgon, terracotta relief
Syracuse Museum
(Cf. p. 62)

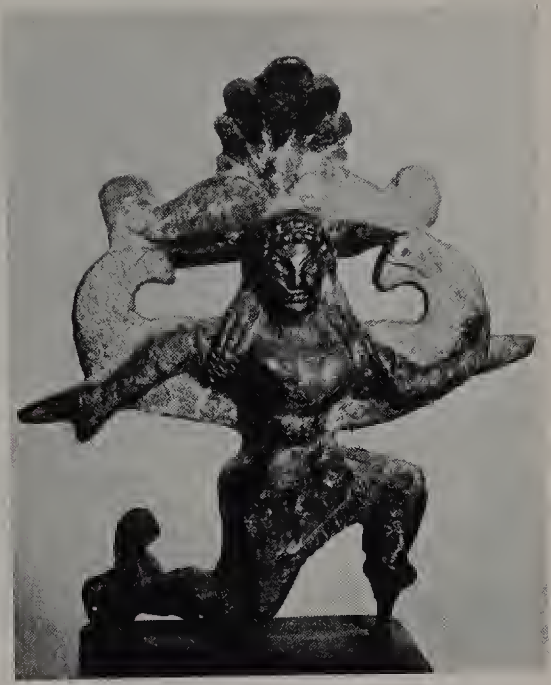


Fig. 80. Bronze statuette of Nike
National Museum, Athens
(Cf. p. 62)

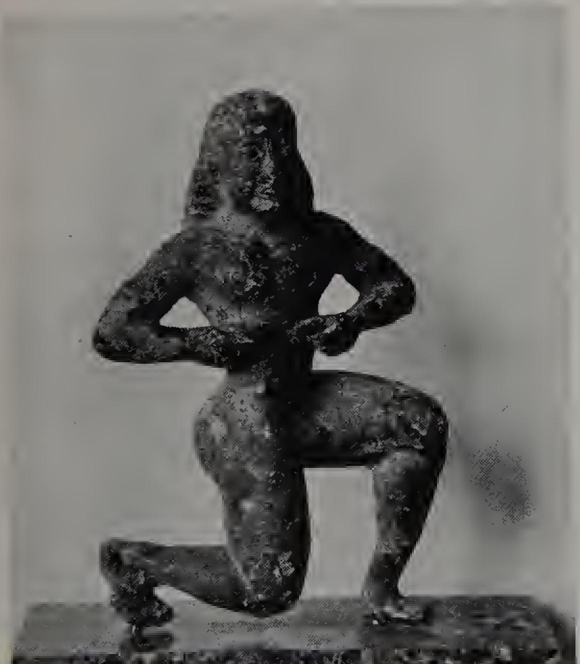


Fig. 81. Bronze statuette of a runner
Metropolitan Museum of Art
(Cf. p. 62)

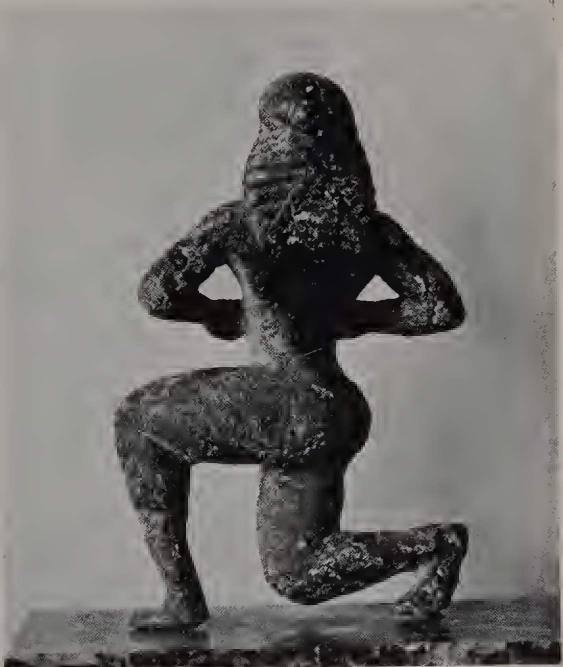


Fig. 82. Back view of Fig. 81

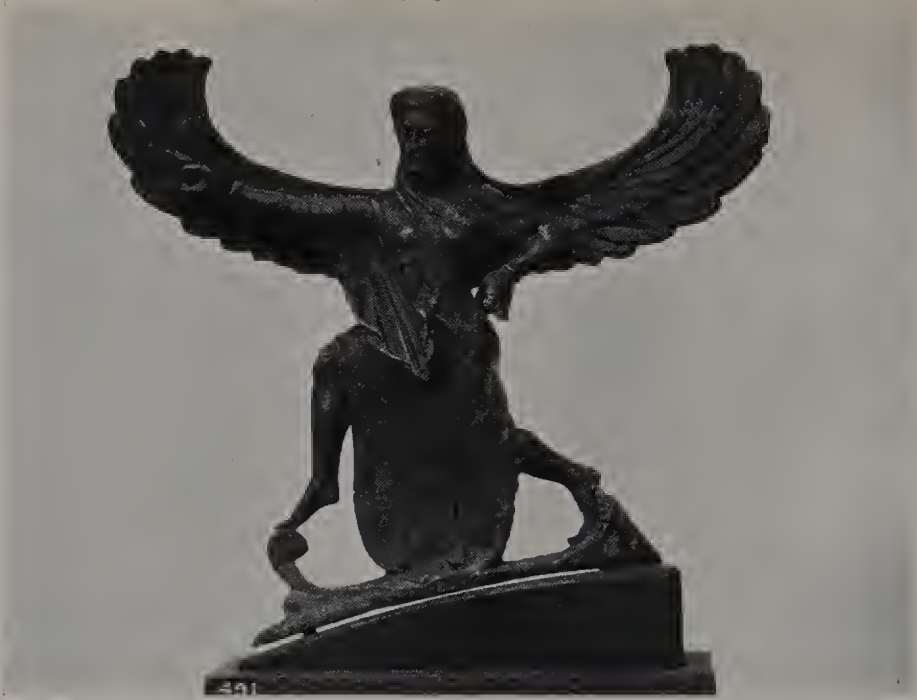


Fig. 83. Bronze statuette of Nike
British Museum, London
(Cf. pp. 62, 95)

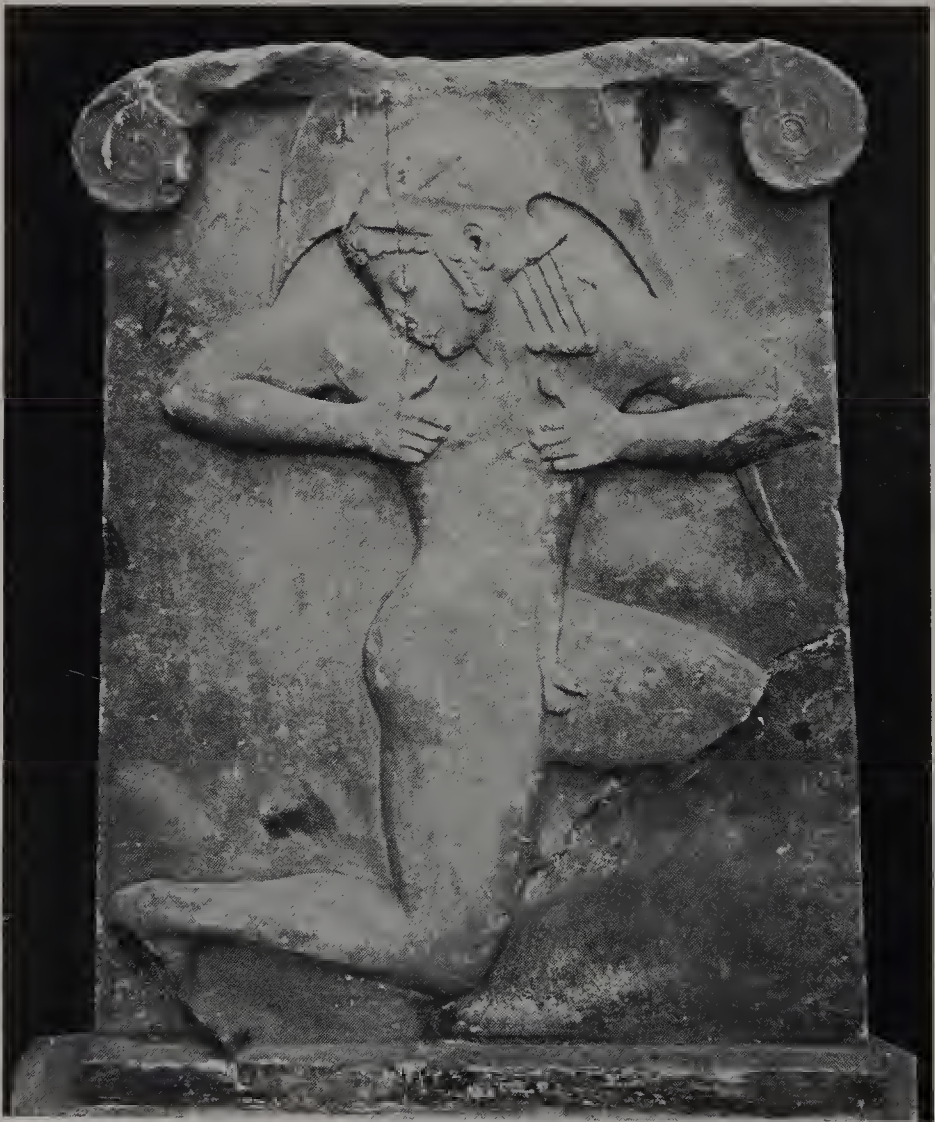


Fig. 84. Relief of a warrior
National Museum, Athens
(Cf. pp. 62, 168)

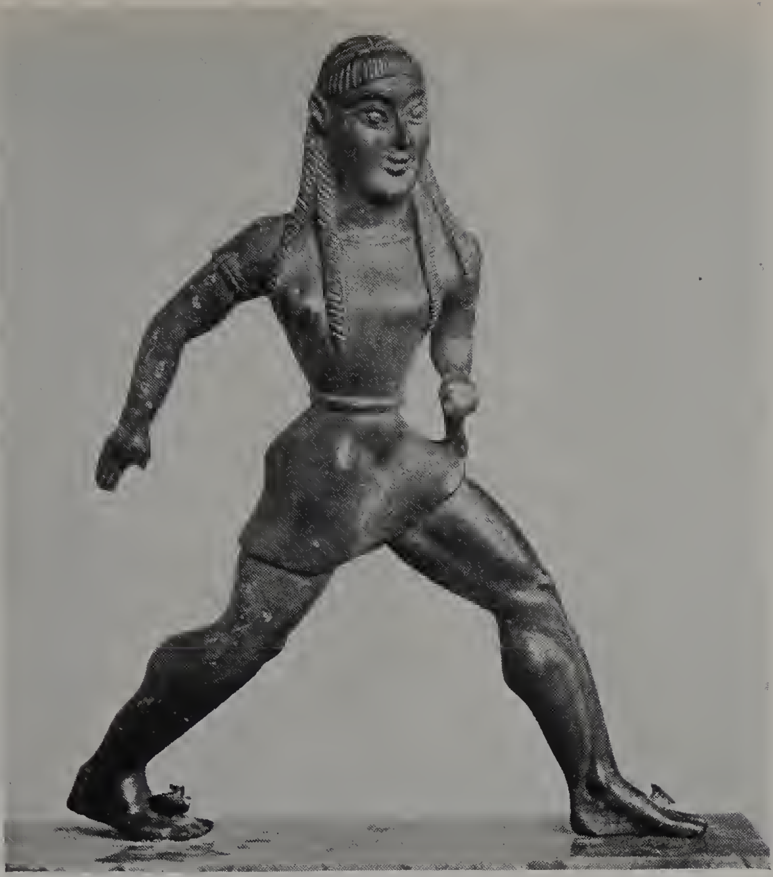


Fig. 85. Bronze statuette of a youth running

National Museum, Athens

(Cf. p. 63)

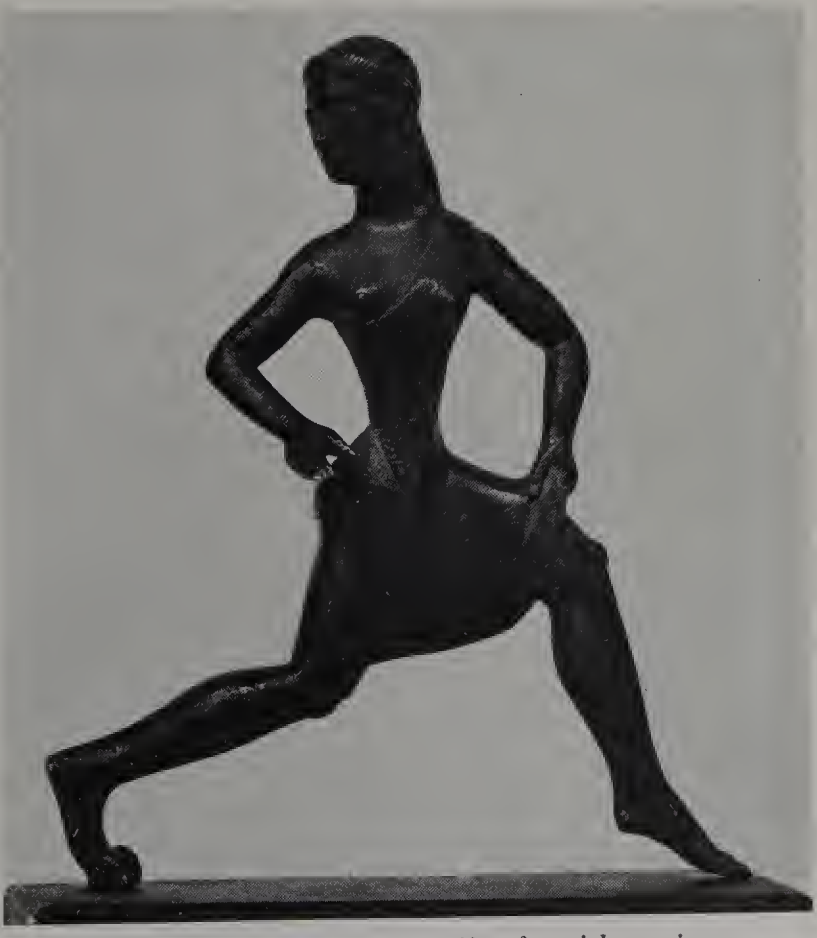


Fig. 86. Bronze statuette of a girl running

British Museum, London

(Cf. p. 63)

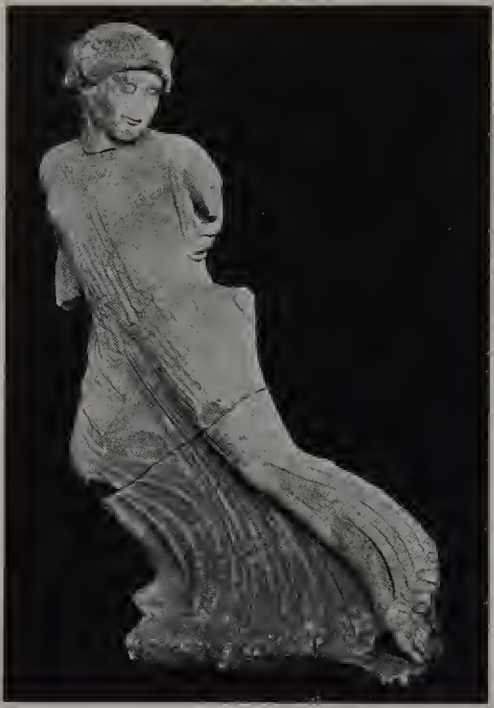


Fig. 87. Statuette of a running maiden
Eleusis Museum
(Cf. p. 63)

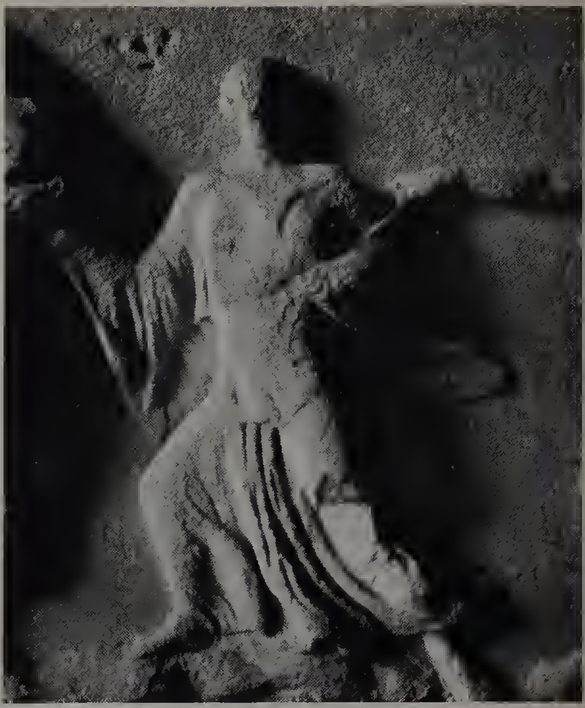


Fig. 88. Figure from the frieze of the Ilissos temple
Staatliche Museen, Berlin
(Cf. p. 63)

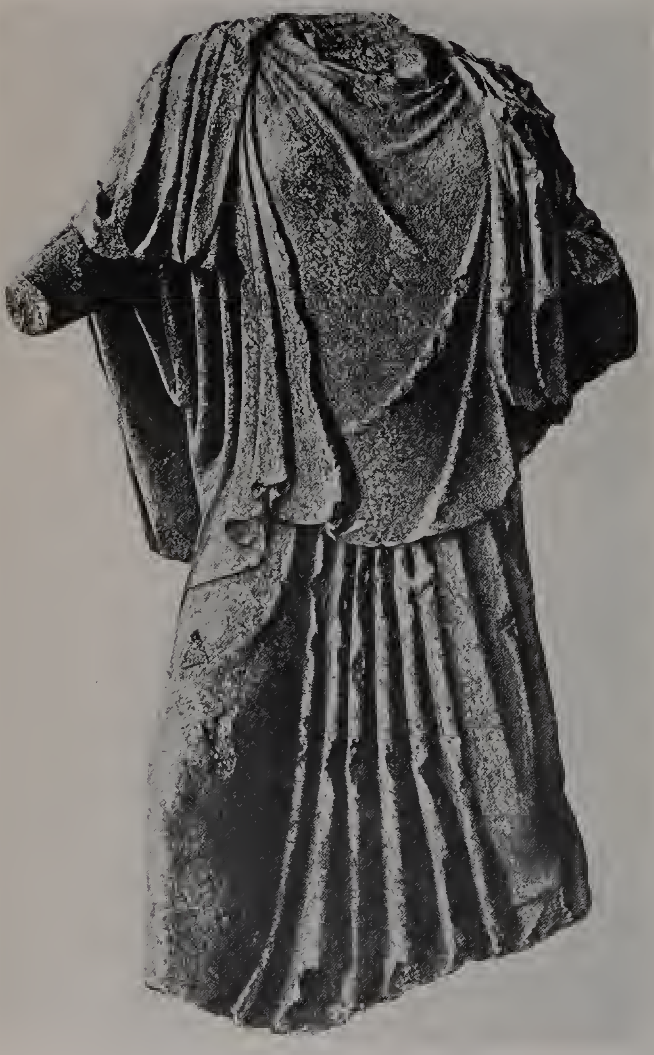


Fig. 89. Figure from Marmaria
Delphi Museum
(Cf. p. 63)

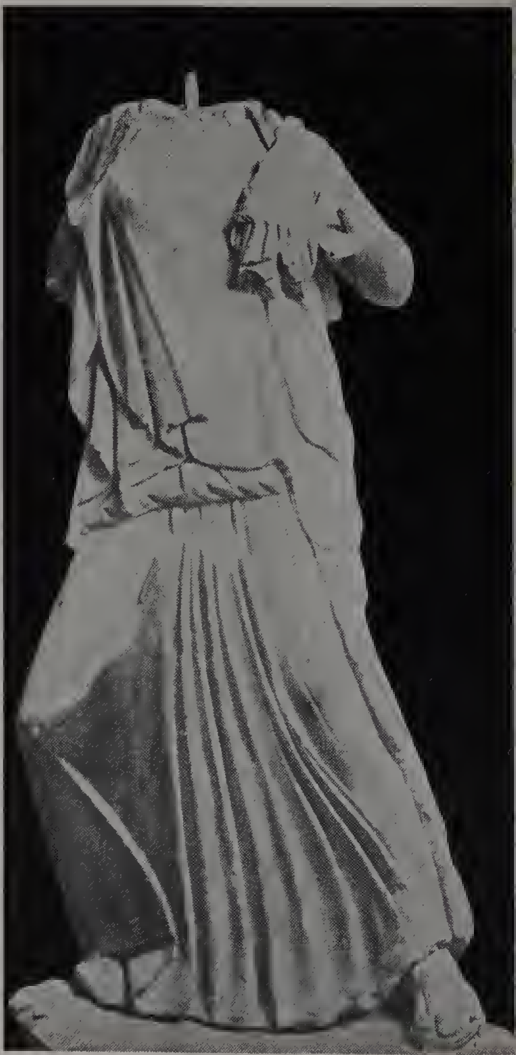
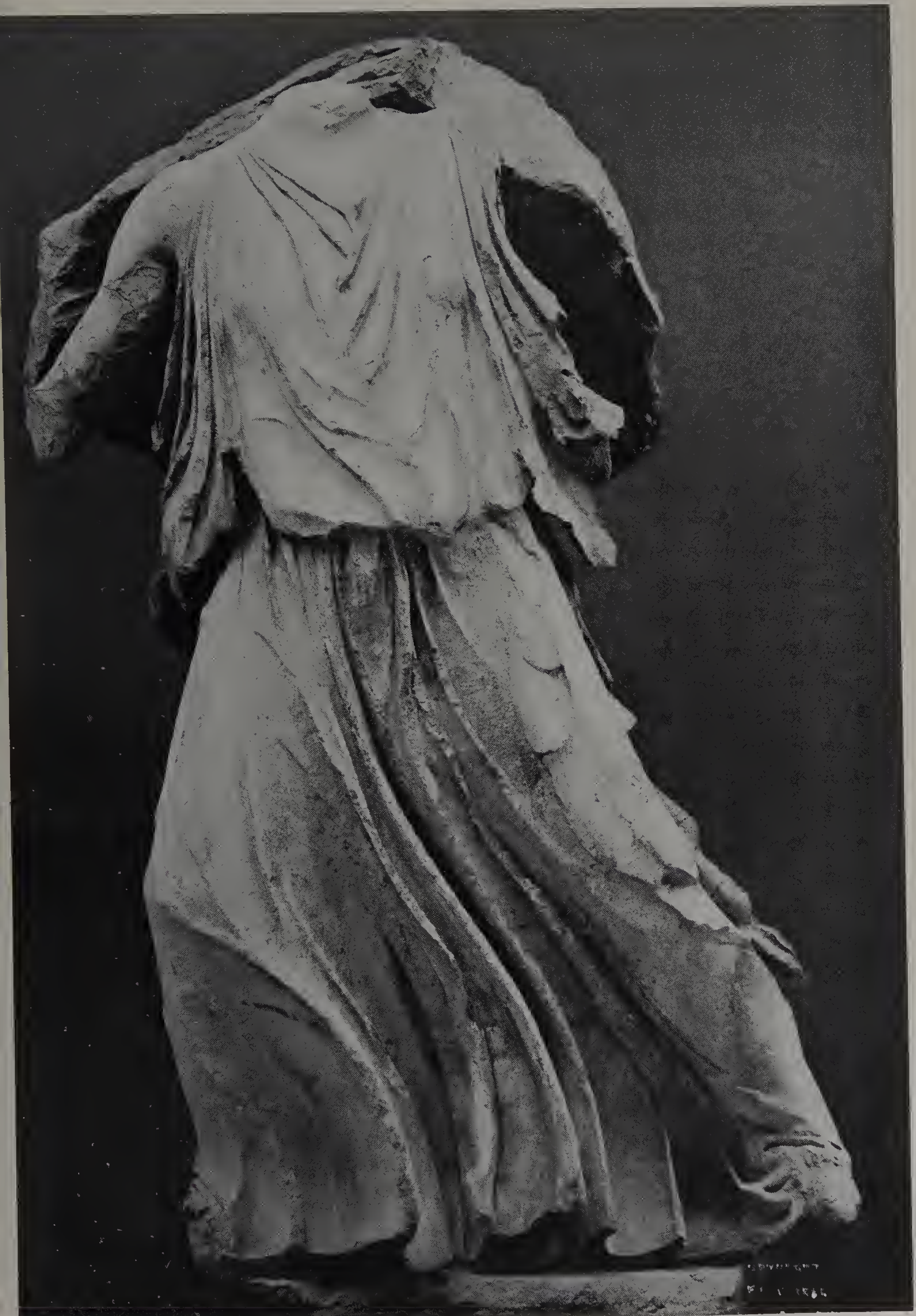


Fig. 90. Leto
Palazzo dei Conservatori, Rome
(Cf. p. 63)



Photograph by W. F. Mansell

Fig. 91. "Iris," from the eastern pediment of the Parthenon

British Museum, London

(Cf. pp. 63, 99)

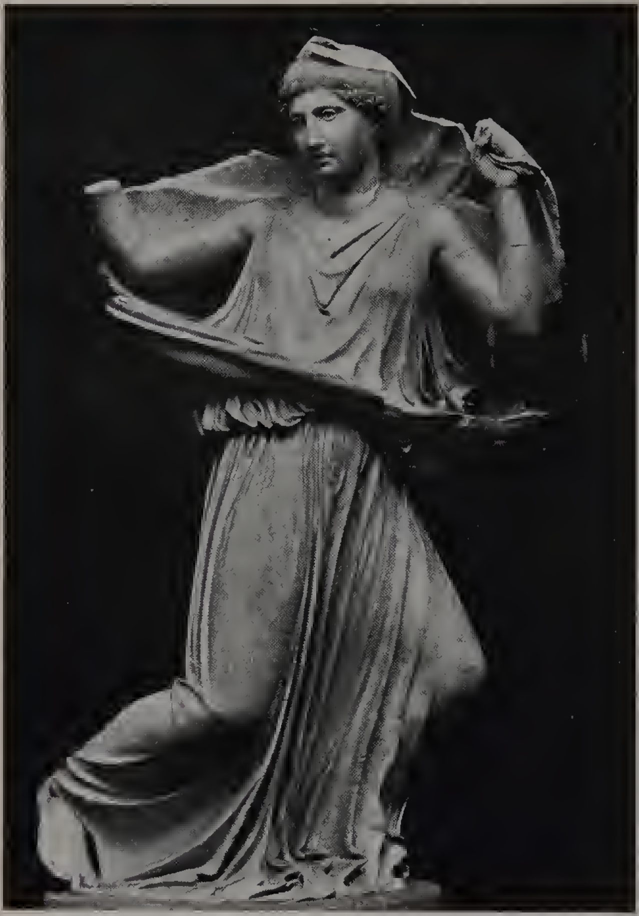


Fig. 92. Niobid
Glyptotek Ny Carlsberg, Copenhagen
(Cf. p. 63)

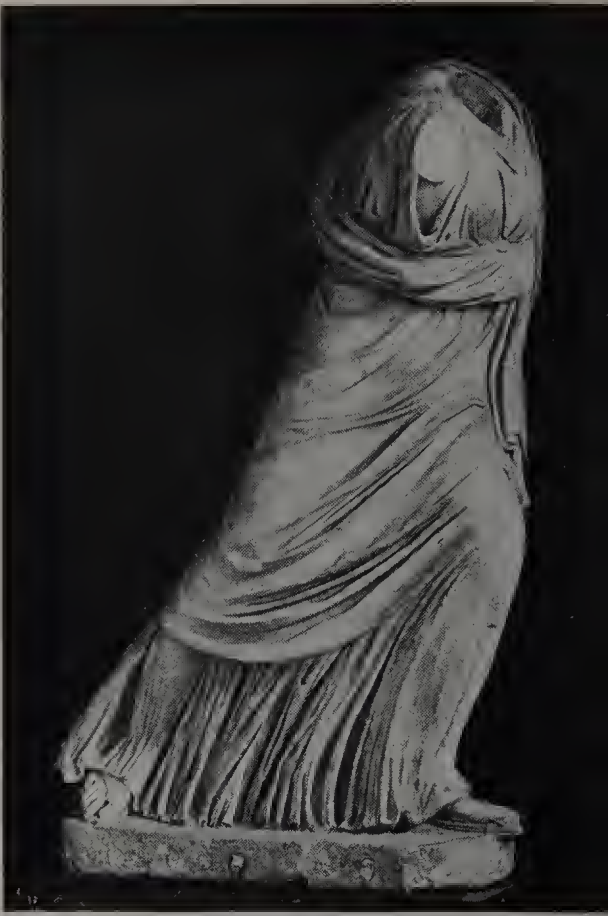


Fig. 93. Running figure
Museum der Bildenden Künste, Budapest
(Cf. p. 64)

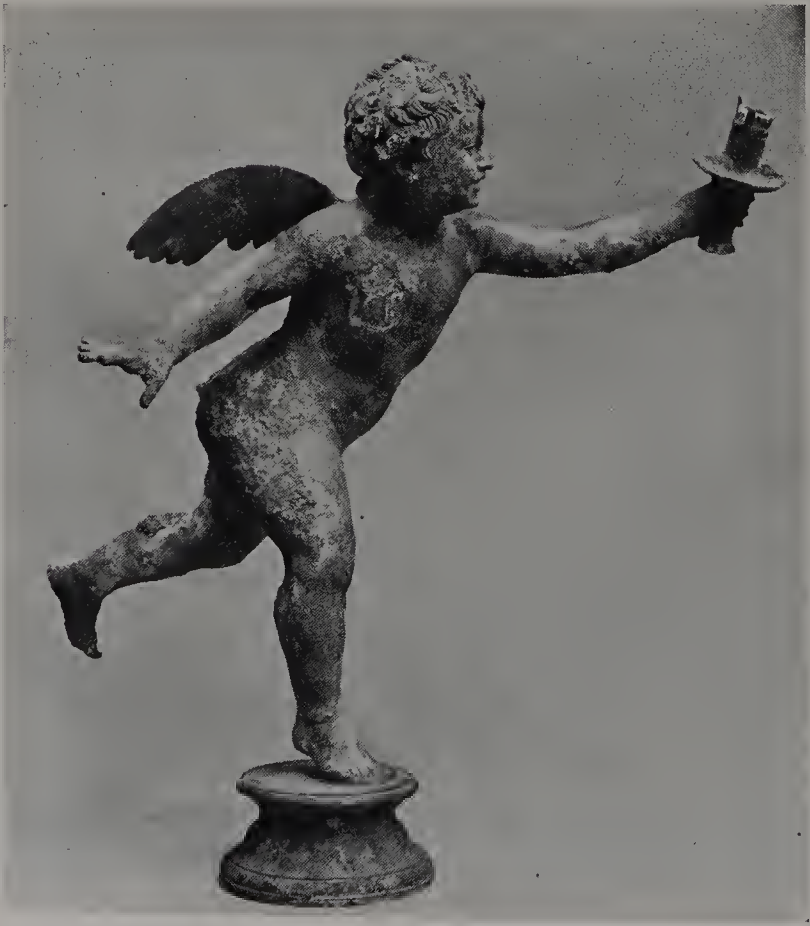


Fig. 94. Bronze statuette of an Eros
J. Pierpont Morgan Collection
(Cf. p. 64)

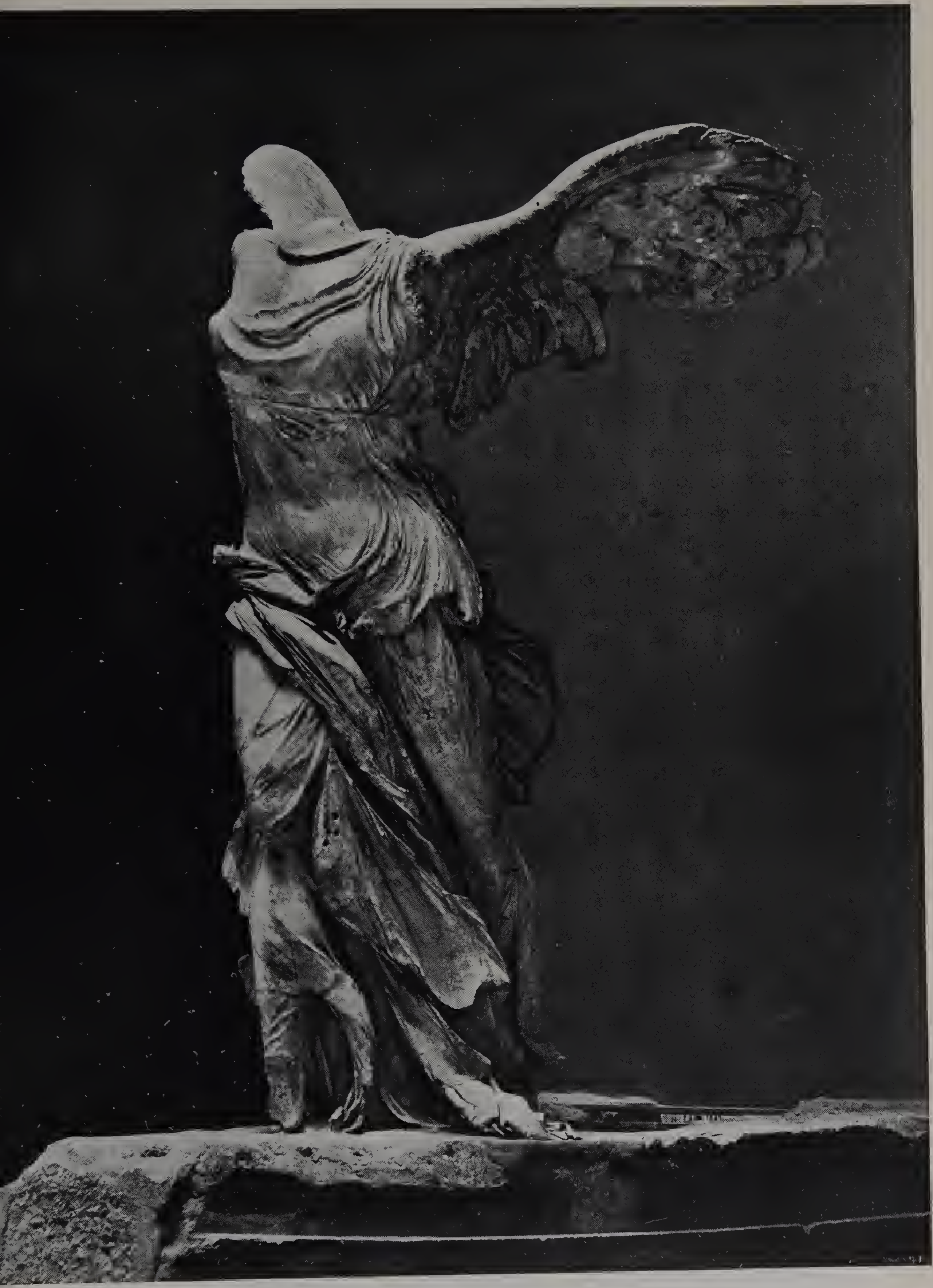


Fig. 95. Nike of Samothrake

The Louvre, Paris

(Cf. pp. 64, 106)

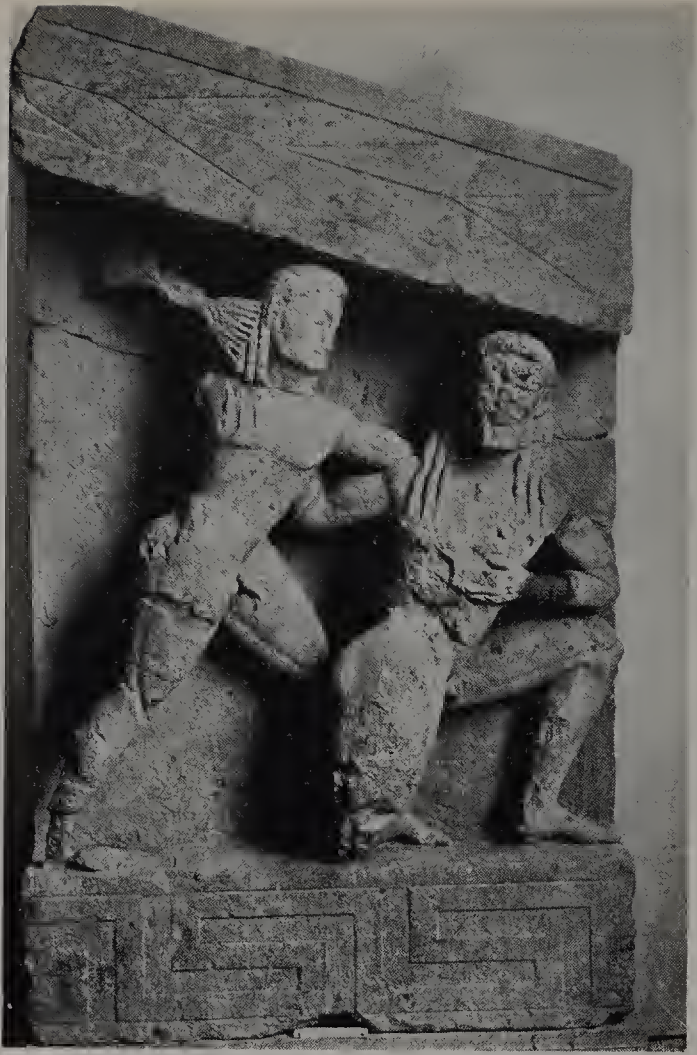


Fig. 96. Zeus and a giant, from the western pediment at Corfu (cf. pp. 64, 68, 119)

Corfu Museum

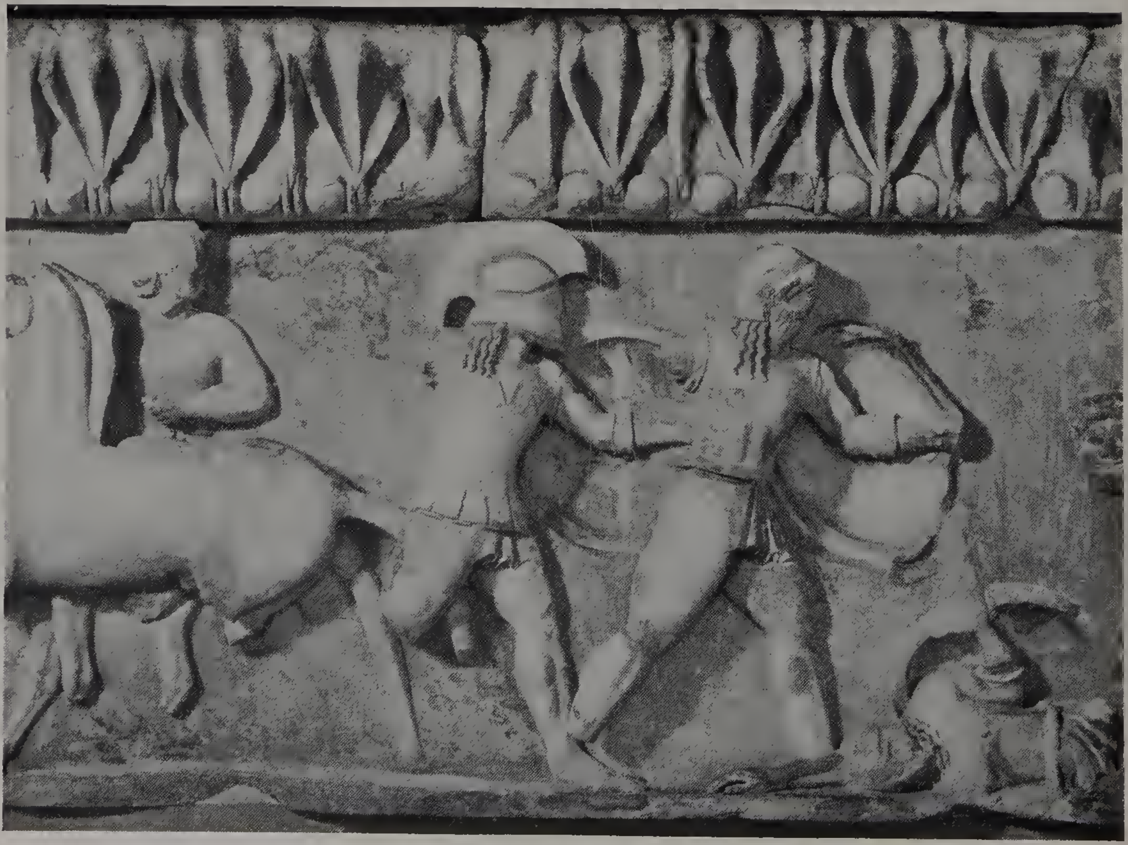


Fig. 97. Warriors, from the frieze of the Siphnian Treasury (cf. p. 64)

Delphi Museum

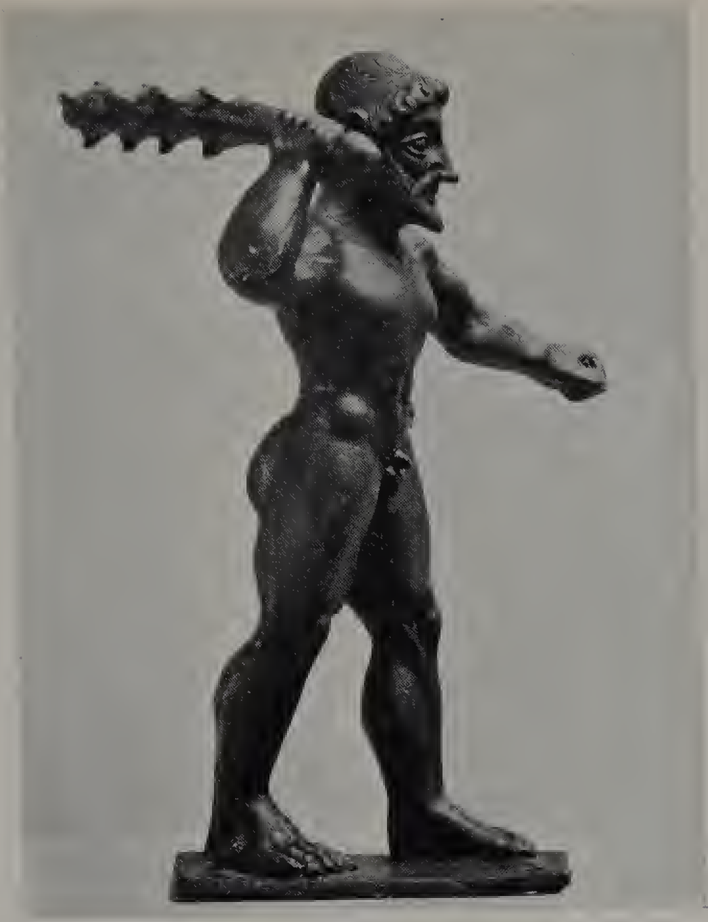


Fig. 99. Bronze statuette of Herakles

Metropolitan Museum of Art

(Cf. p. 65)

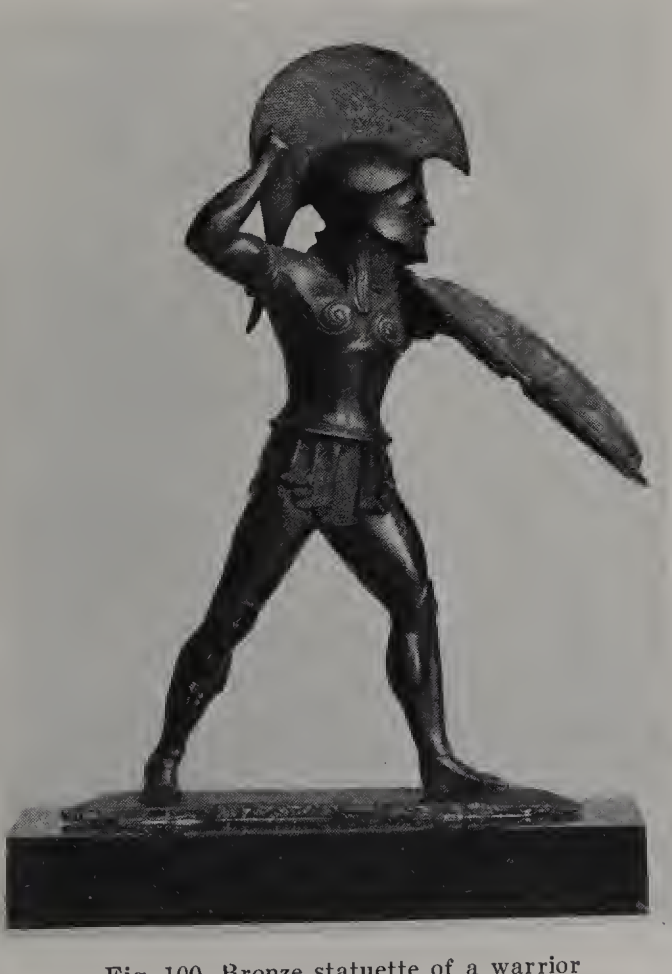


Fig. 100. Bronze statuette of a warrior

Staatliche Museen, Berlin

(Cf. p. 65)

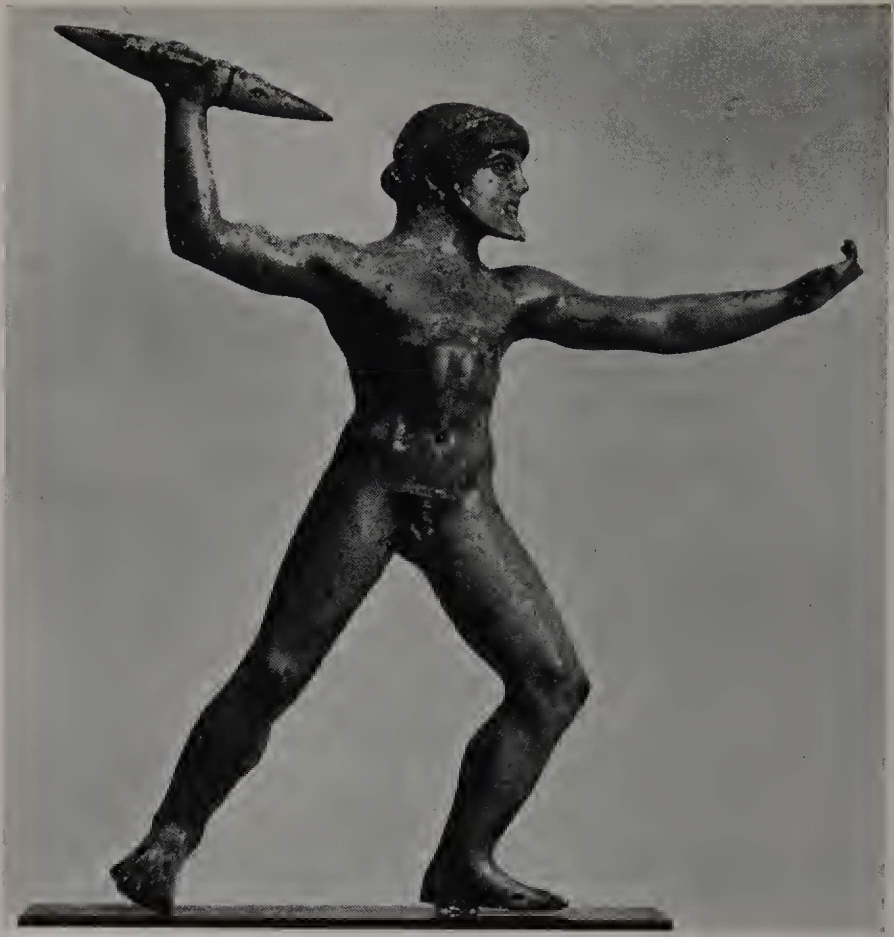


Fig. 101. Bronze statuette of Zeus
Staatliche Museen, Berlin
(Cf. p. 65)

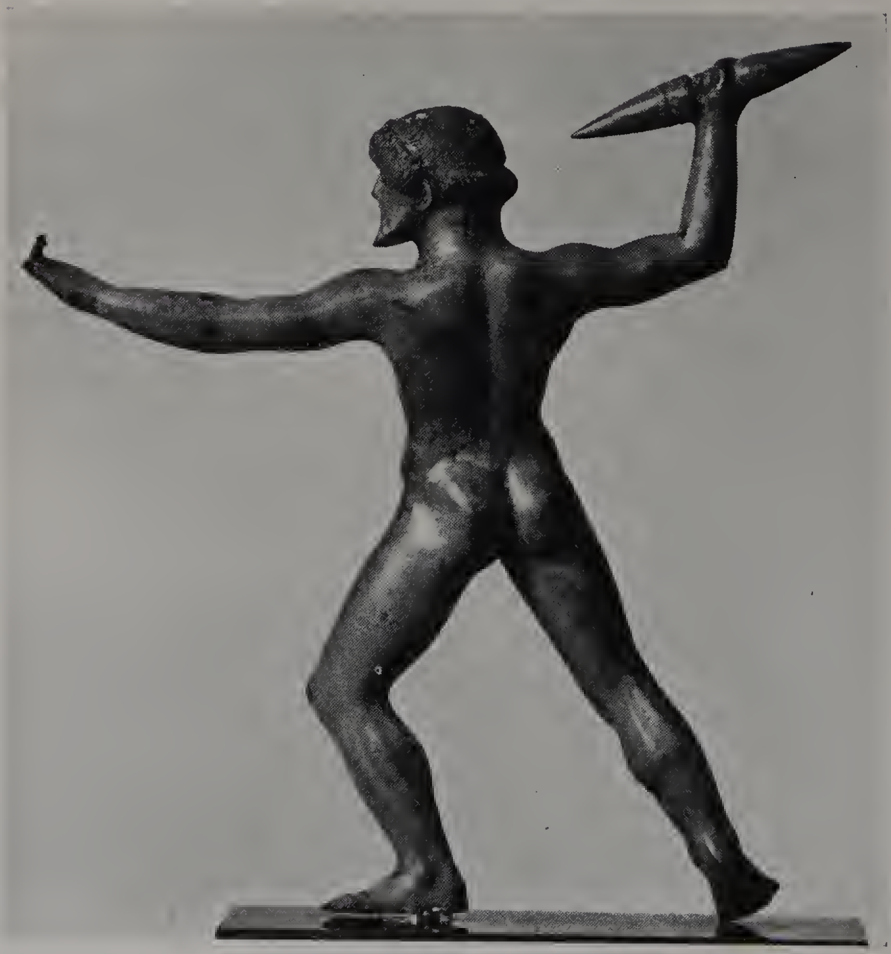


Fig. 102. Back view of Fig. 101

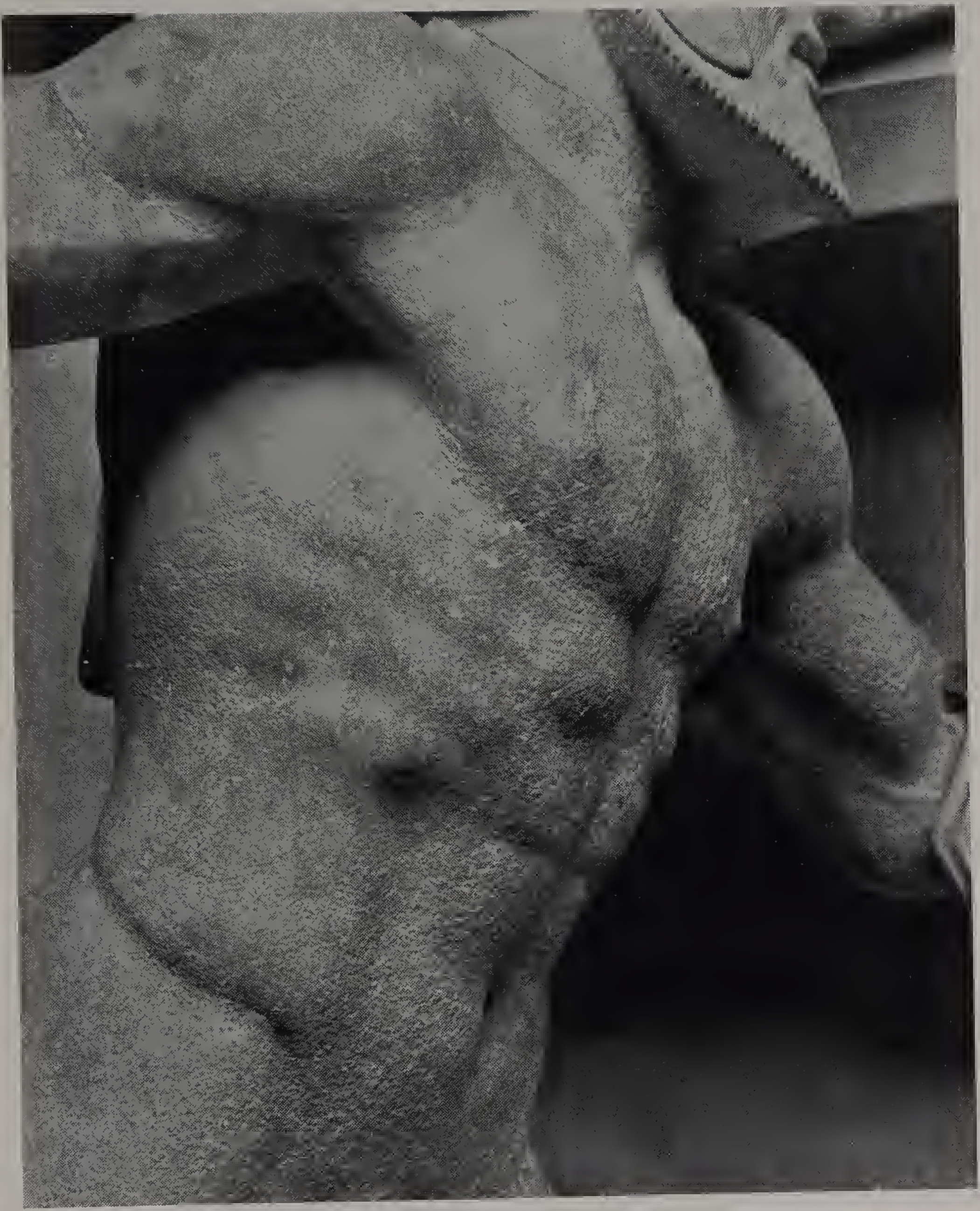


Fig. 103. Striding warrior, from the eastern pediment at Aigina

The Glyptothek, Munich

(Cf. p. 65)

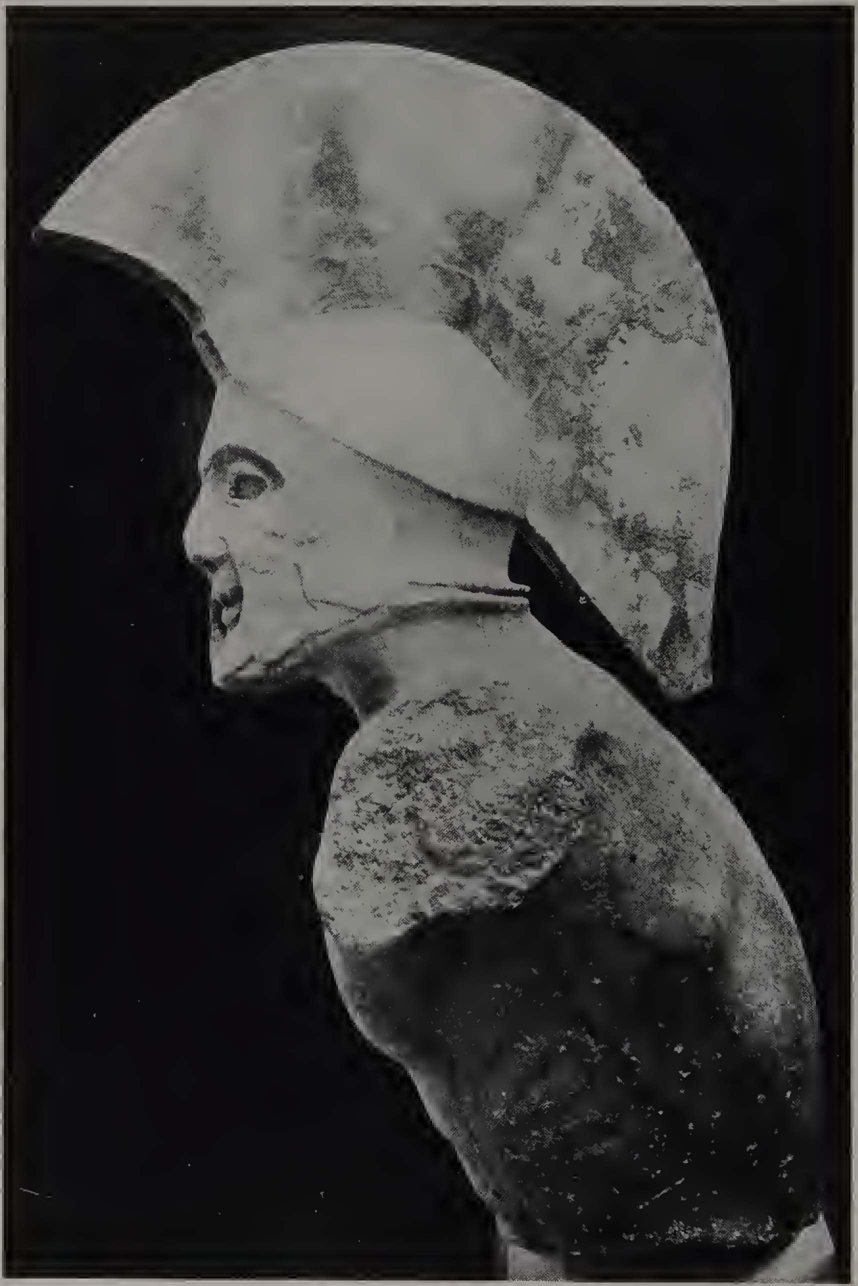


Fig. 104. Warrior, from Sparta
National Museum, Athens
(Cf. p. 65)

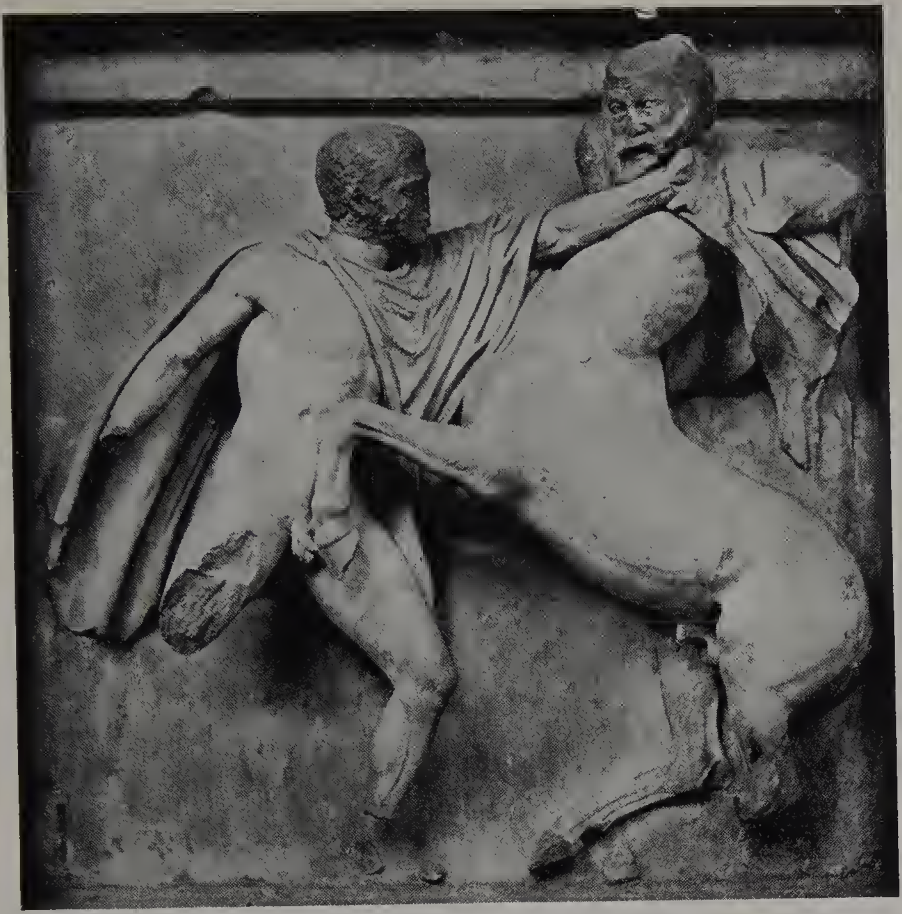


Fig. 105. Centaur and Lapith. Metope of the Parthenon

British Museum, London

(Cf. pp. 65, 129)

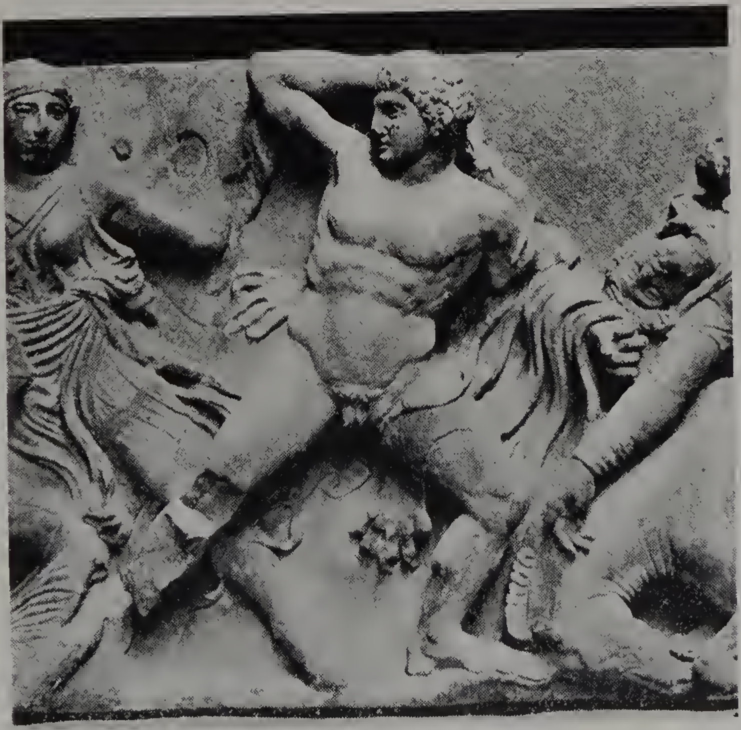


Fig. 106. Herakles, from the Phigaleia frieze

British Museum, London

(Cf. p. 65)

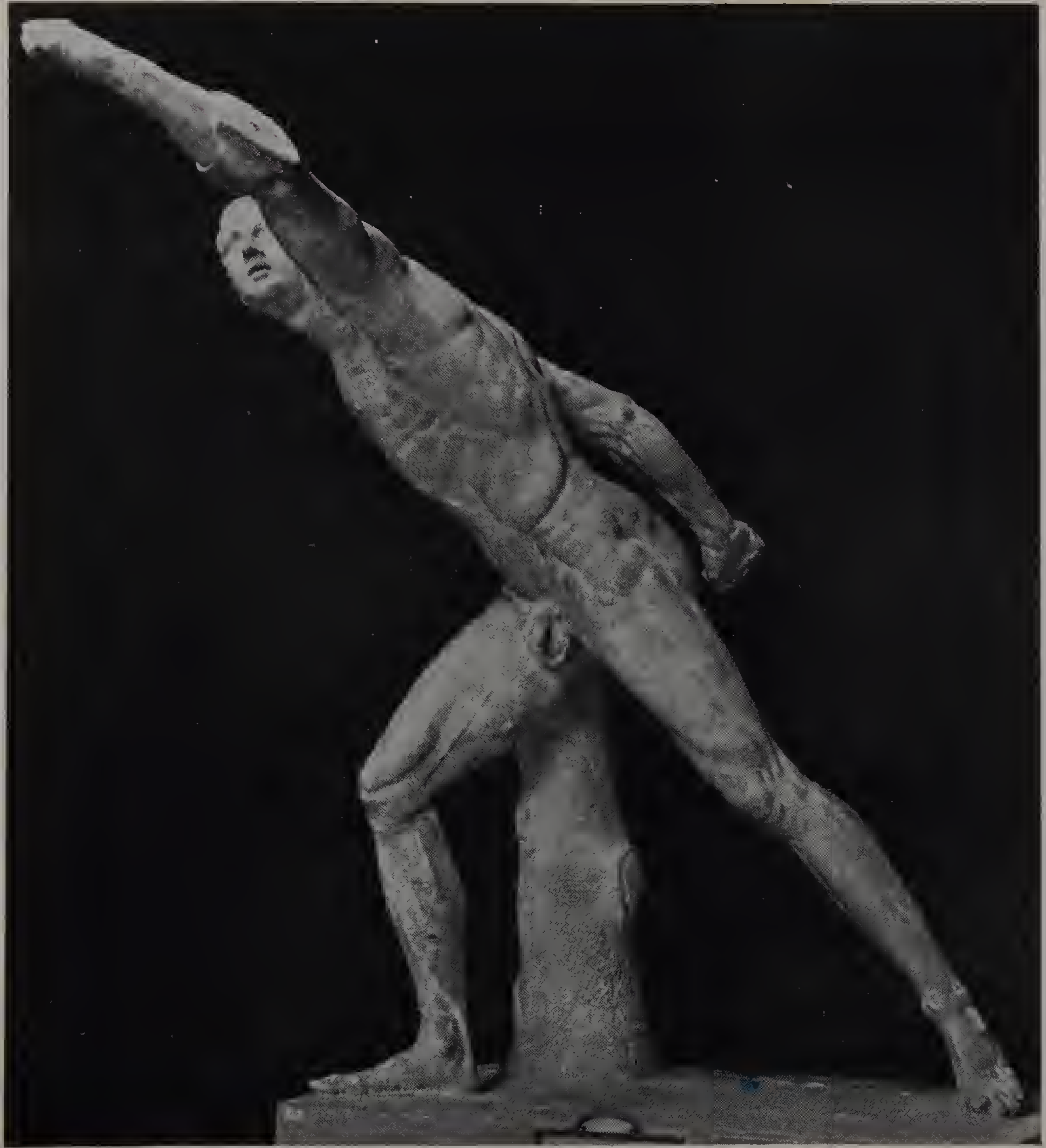


Fig. 107. The Borghese Warrior
The Louvre, Paris

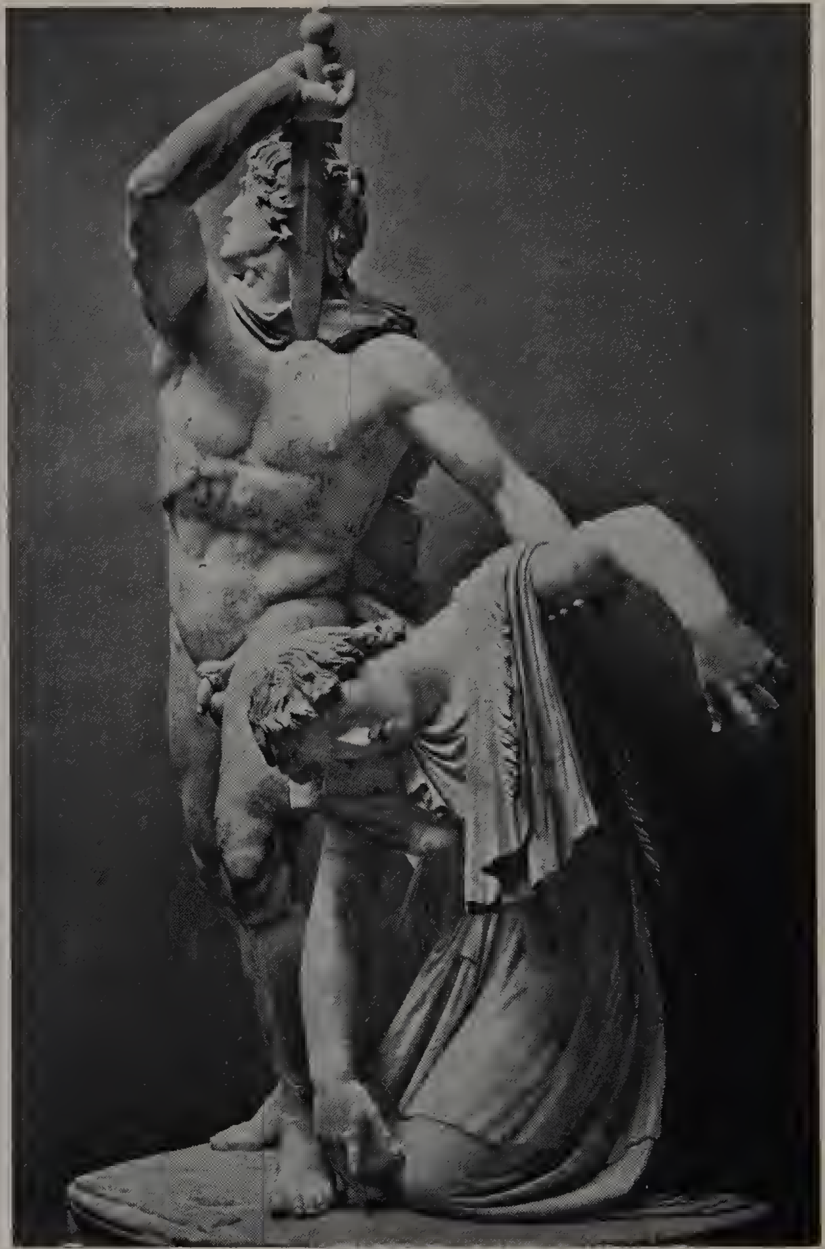


Fig. 108. Gaul and his wife
Museo Nazionale delle Terme, Rome

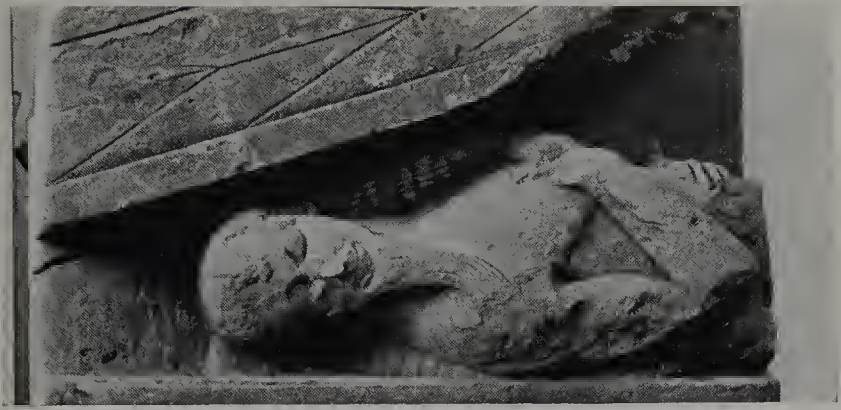


Fig. 109. Reclining figure, from the western pediment at Corfu
Corfu Museum
(Cf. pp. 66, 119)

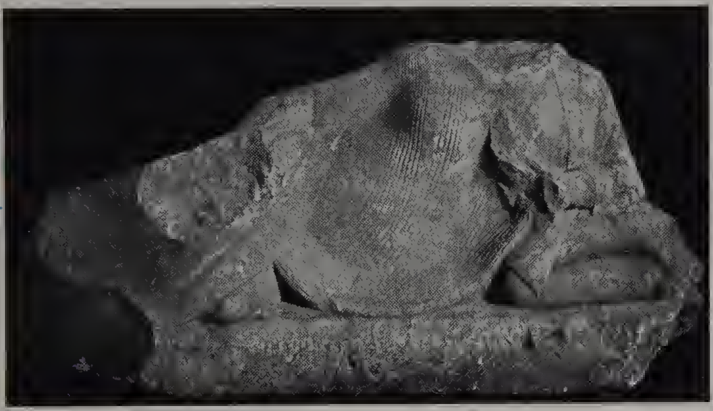


Fig. 110. Reclining figure
Samos Museum
(Cf. p. 66)

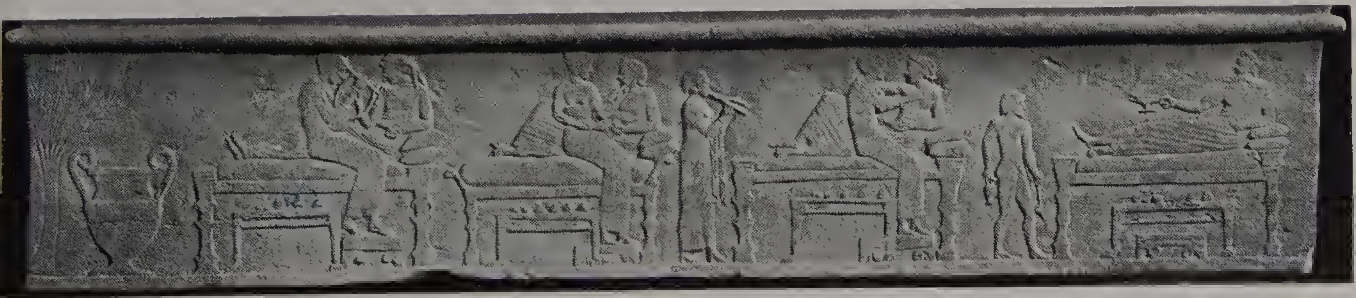


Fig. 111. Sarcophagus, said to be from Golgoi, Cyprus
Metropolitan Museum of Art
(Cf. p. 67)

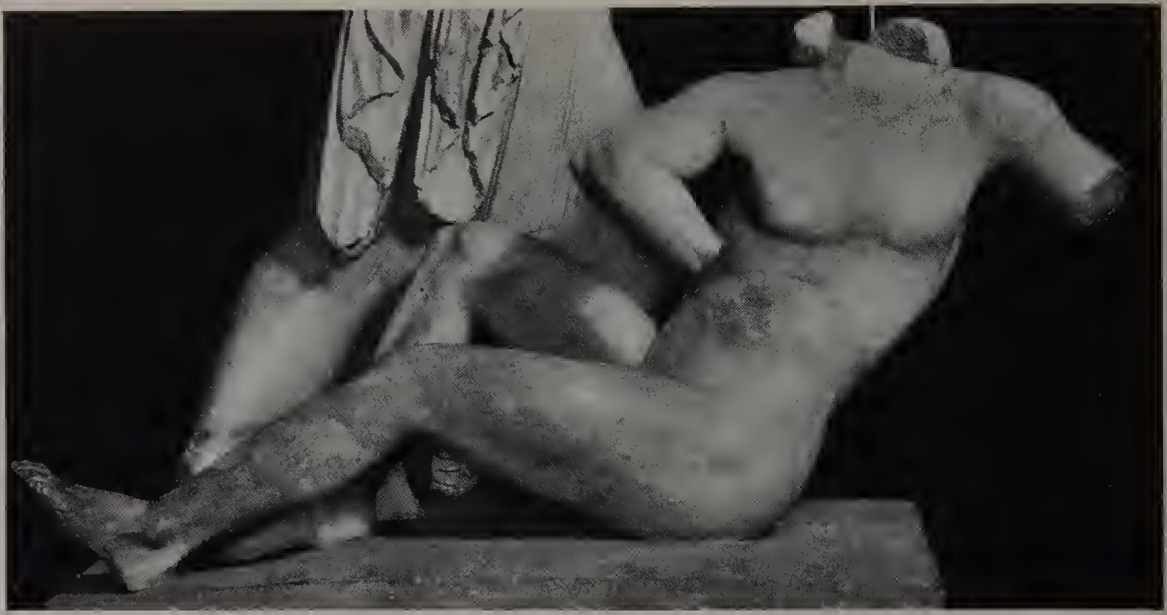


Fig. 112. Giant, from a pediment of the "Hekatompedon"
Akropolis Museum, Athens
(Cf. pp. 67, 121)

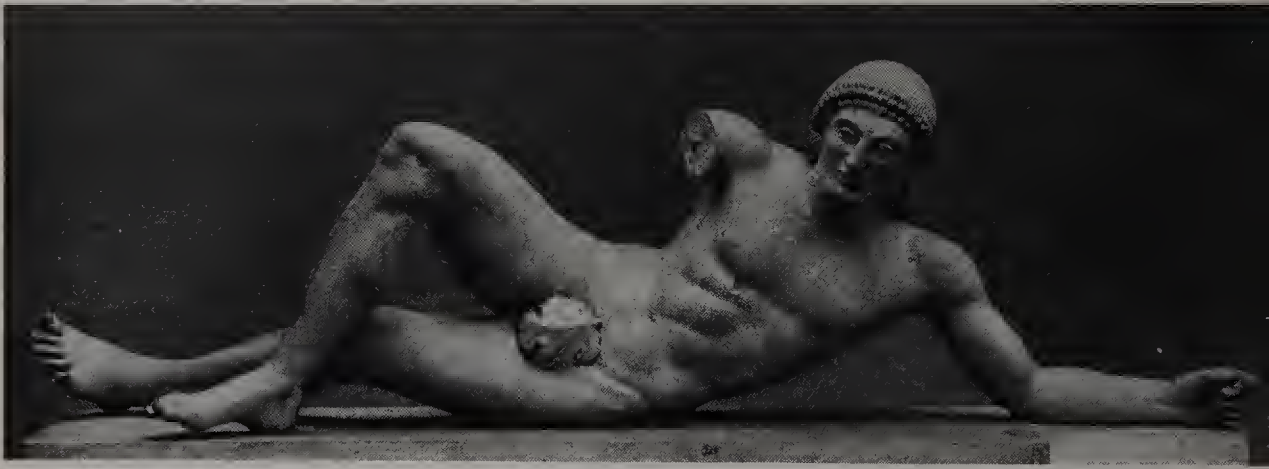


Fig. 113. Warrior, from the western pediment at Aigina (from a cast)
The Glyptothek, Munich
(Cf. p. 67)

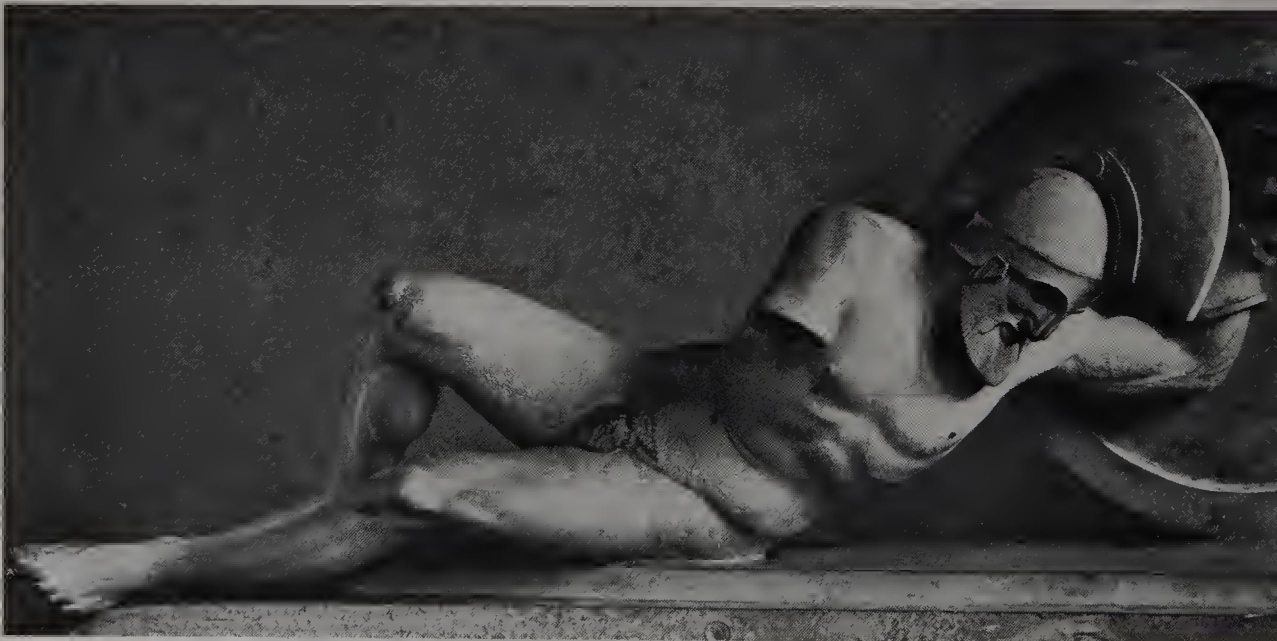


Fig. 114. Warrior, from the eastern pediment at Aigina (from a cast)
The Glyptothek, Munich
(Cf. p. 67)

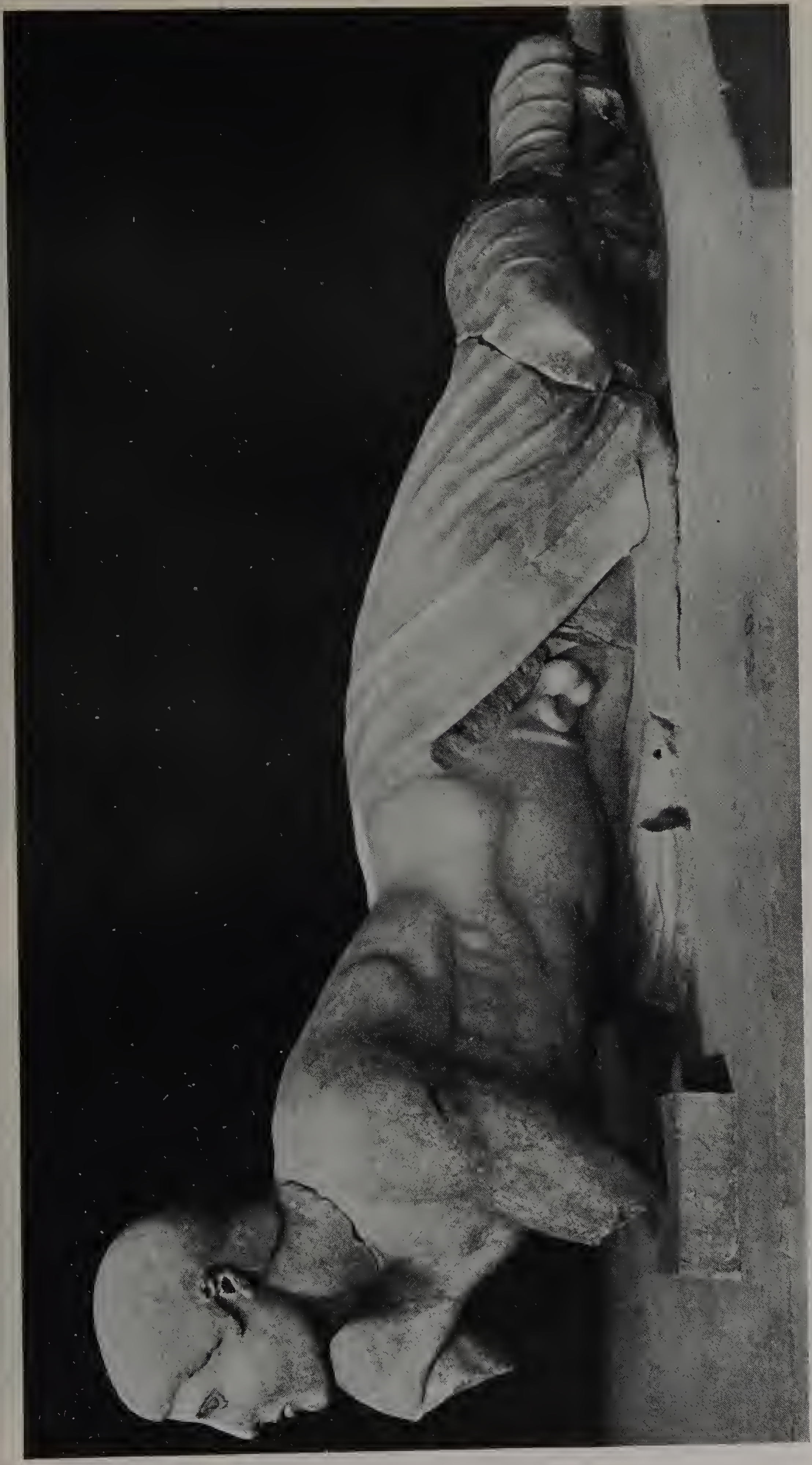


Fig. 115. "Kladeos," from the eastern pediment at Olympia

Olympia Museum

(Cf. p. 67)

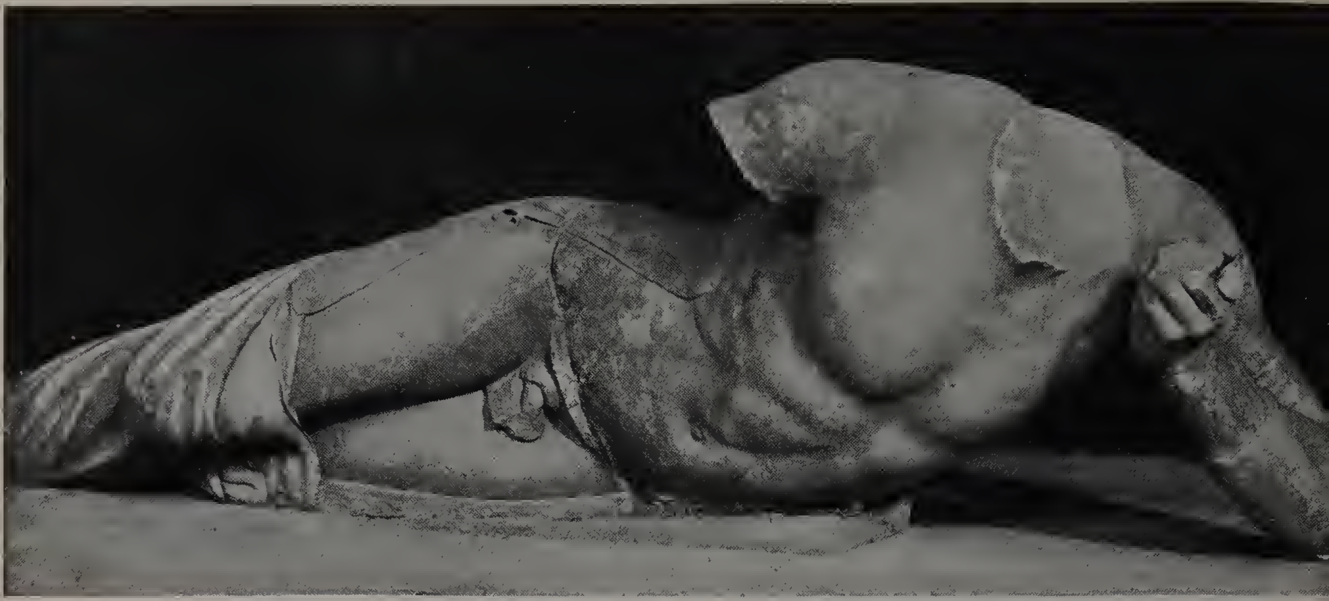


Fig. 116. "Alpheios," from the eastern pediment at Olympia
Olympia Museum
(Cf. p. 67)

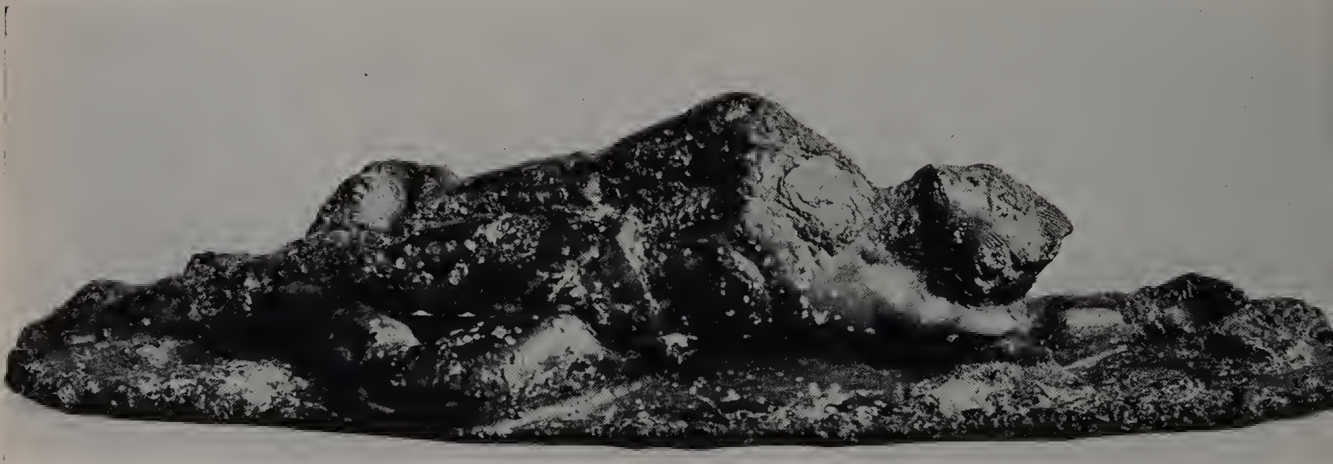


Fig. 117. Bronze statuette of a giant
British Museum, London
(Cf. p. 67)

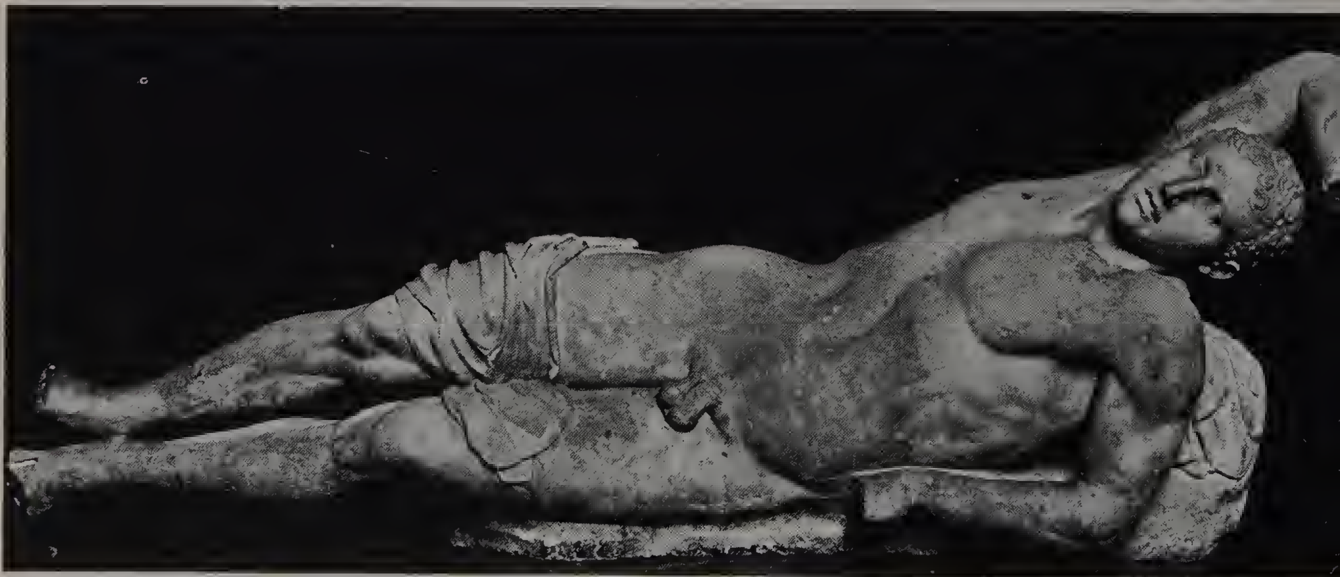
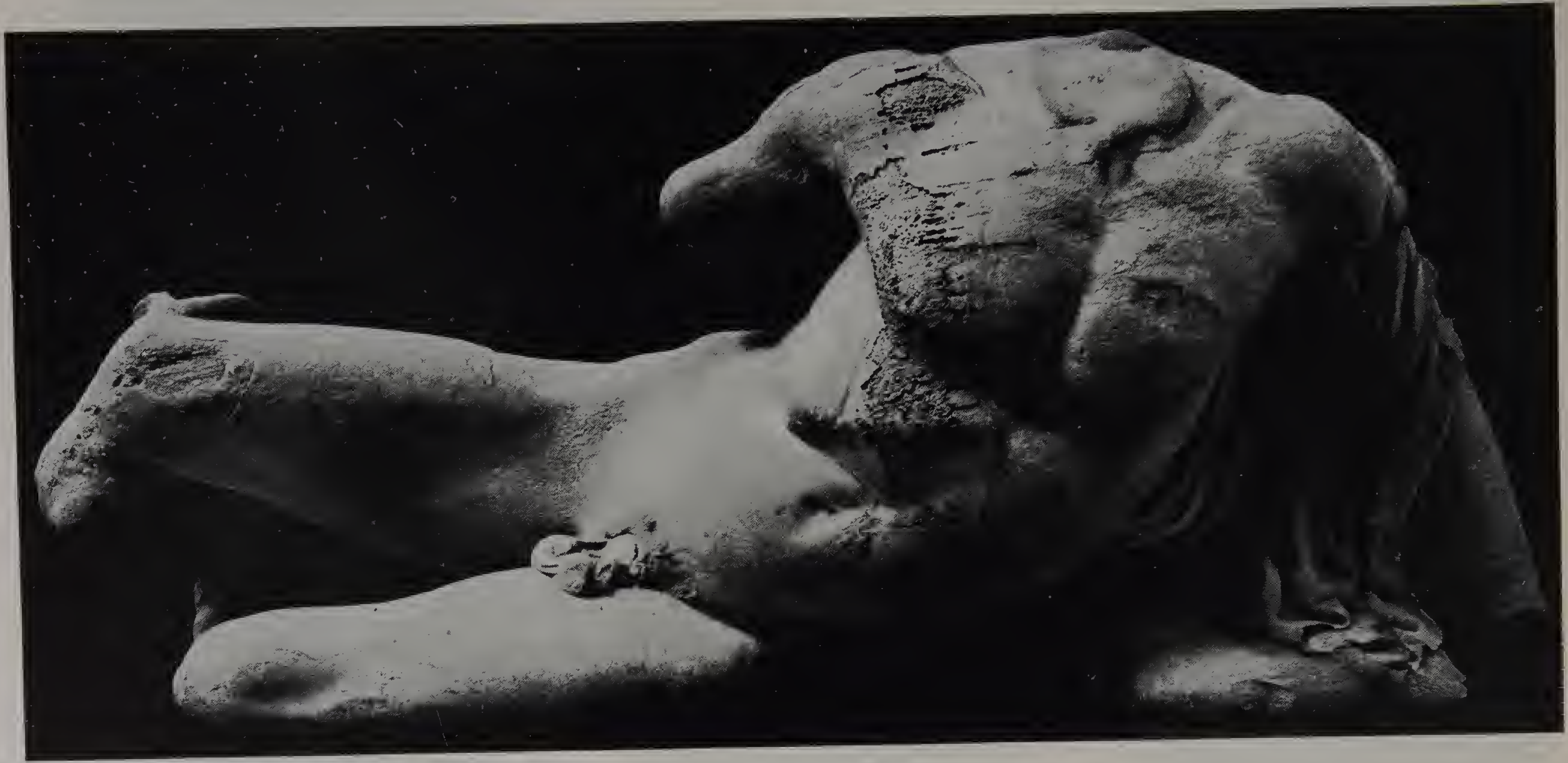


Fig. 118. Niobid
Glyptotek Ny Carlsberg, Copenhagen
(Cf. p. 67)



Photograph by W. F. Mansell

Fig. 119. "Ilissos," from the western pediment of the Parthenon

British Museum, London

(Cf. p. 67)

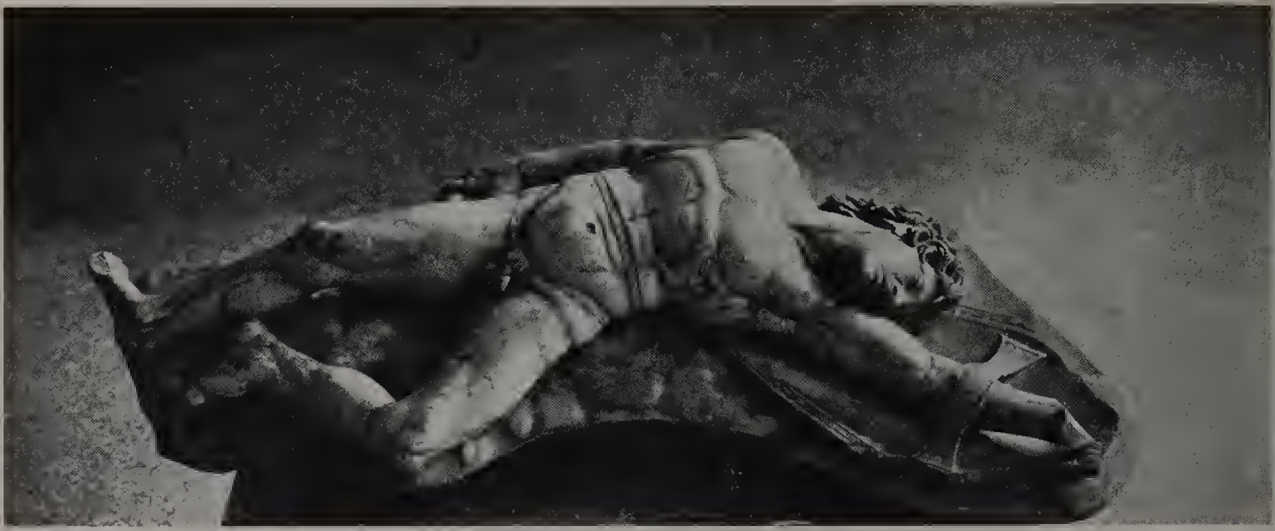


Fig. 120. Dead Gaul
Museo Archeologico, Venice
(Cf. p. 68)

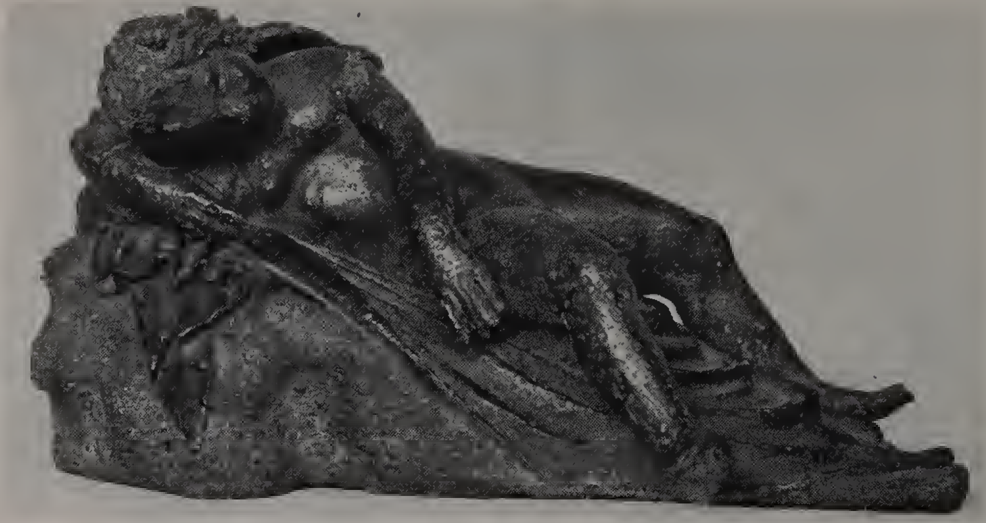
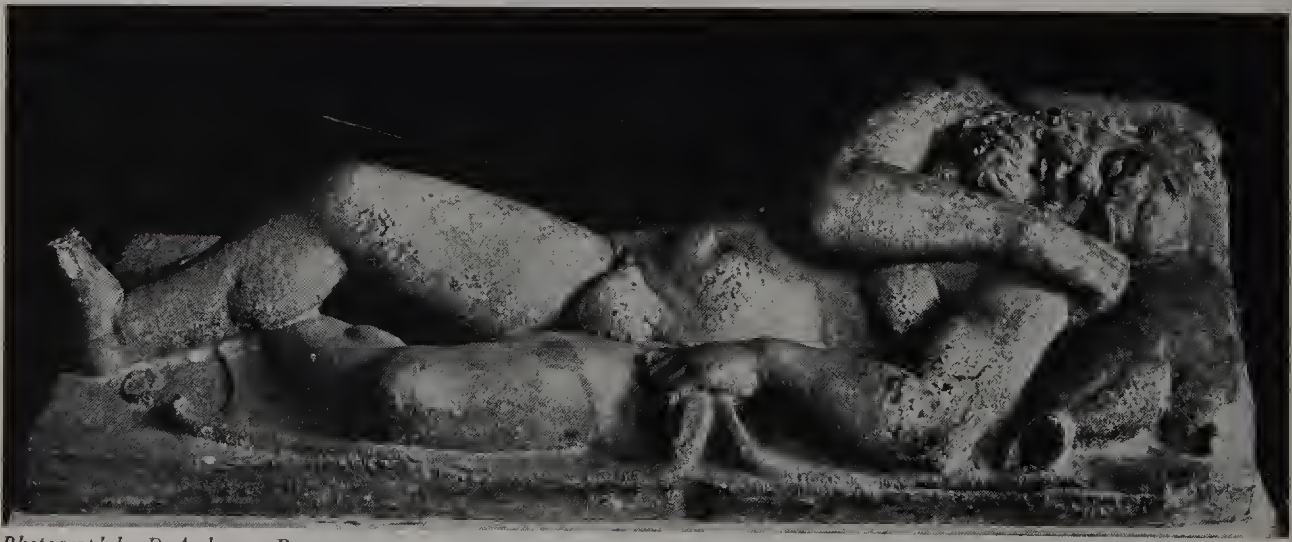


Fig. 121. Bronze statuette of a sleeping Eros
Metropolitan Museum of Art
(Cf. p. 68)



Photograph by D. Anderson, Rome

Fig. 122. Sleeping Satyr
The Lateran, Rome
(Cf. p. 68)

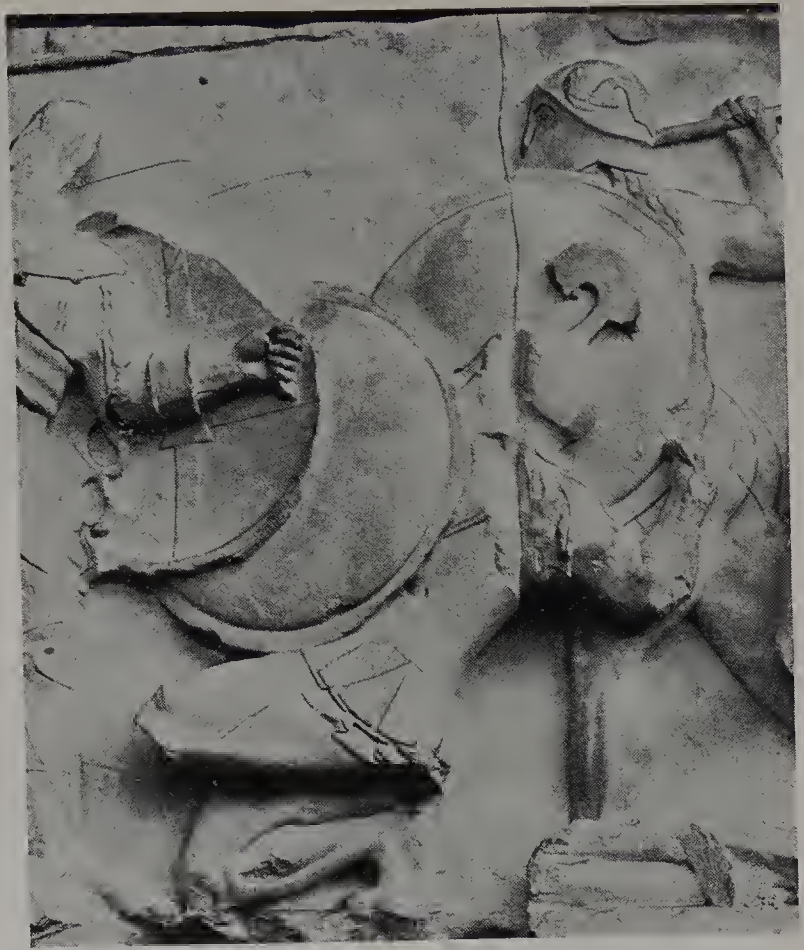


Fig. 123. Falling warrior, from the frieze of the Siphnian Treasury (from a cast)

Delphi Museum

(Cf. p. 68)

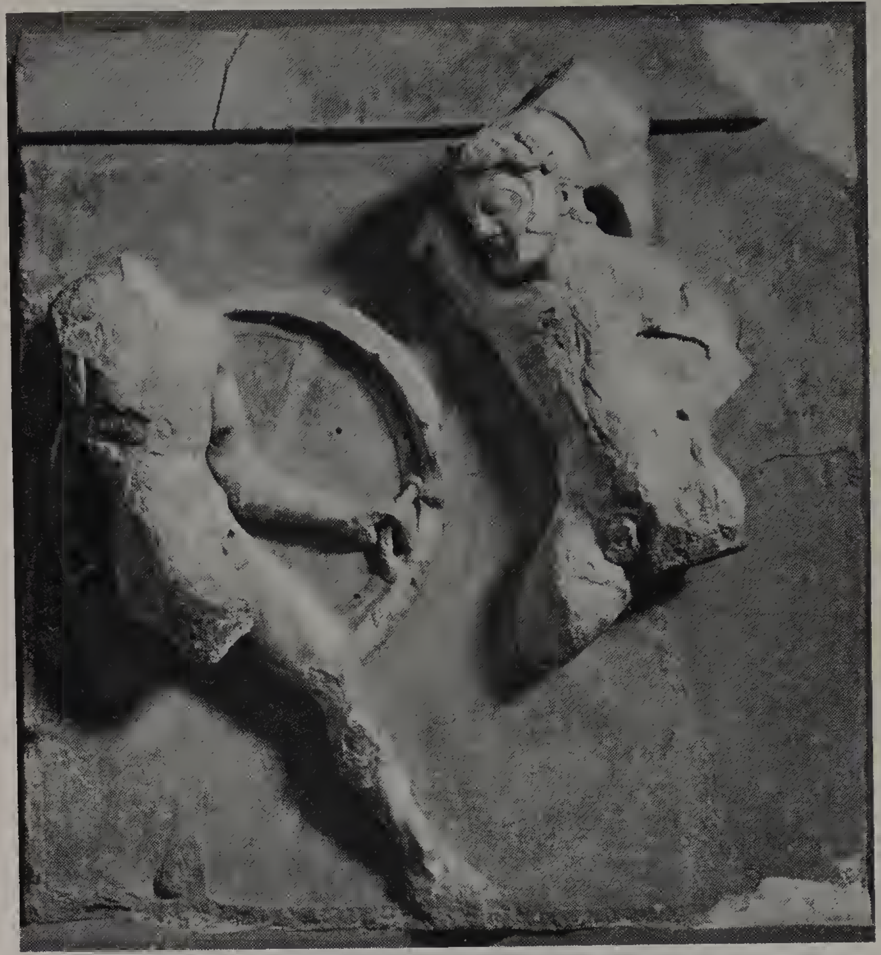


Fig. 124. Herakles and Kyknos, metope of the Athenian Treasury

Delphi Museum

(Cf. p. 68)

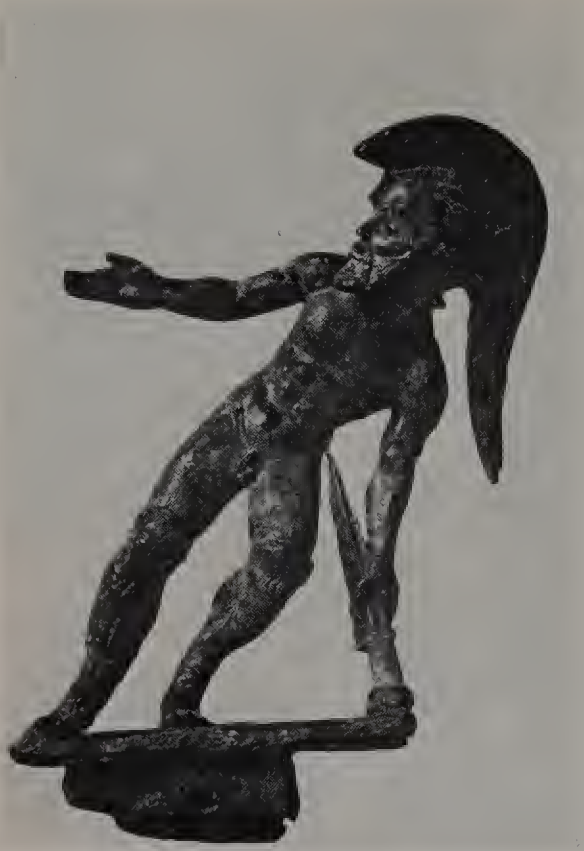


Fig. 125. Bronze statuette of Ajax
Museo Archeologico, Florence
(Cf. p. 69)

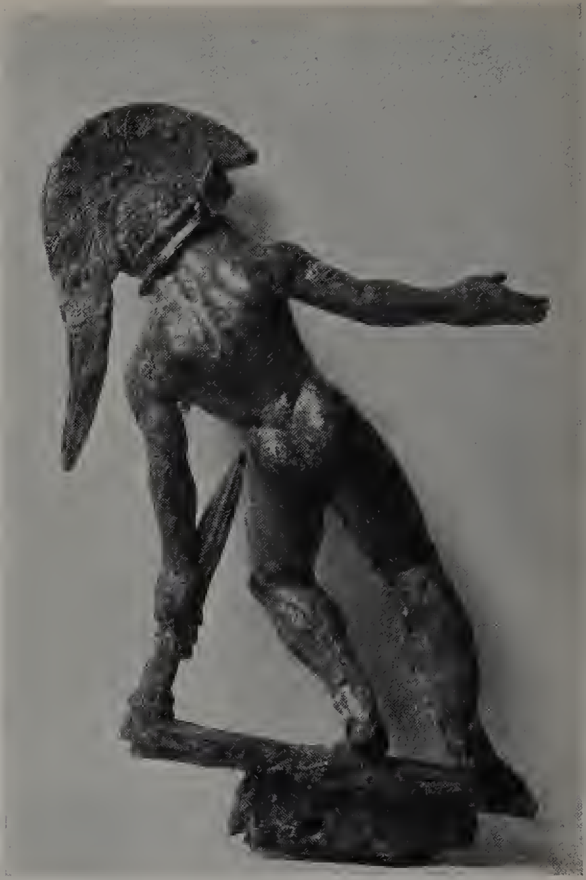


Fig. 126. Back view of Fig. 125

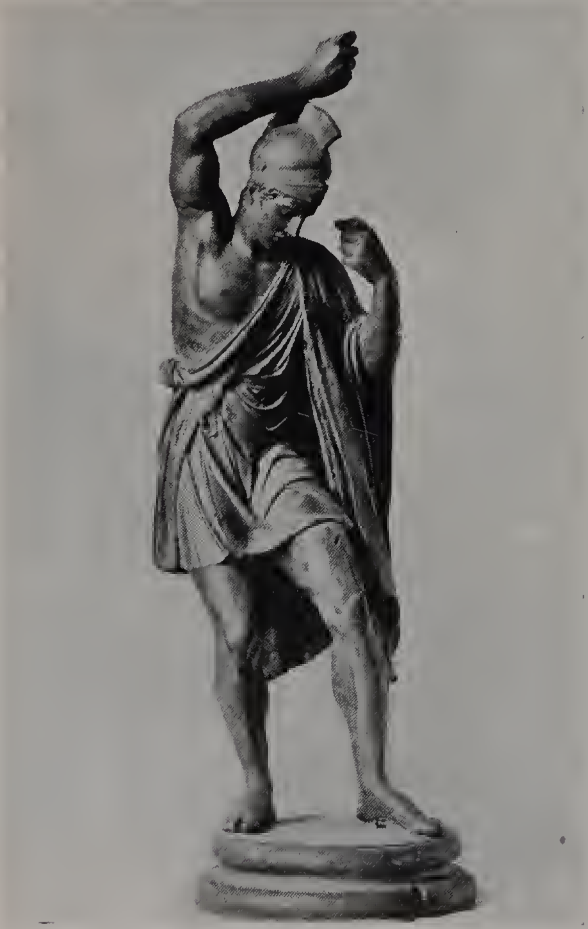


Fig. 127. Bronze statuette of a warrior
Musée Saint Germain-en-Laye
(Cf. pp. 69, 233–234)

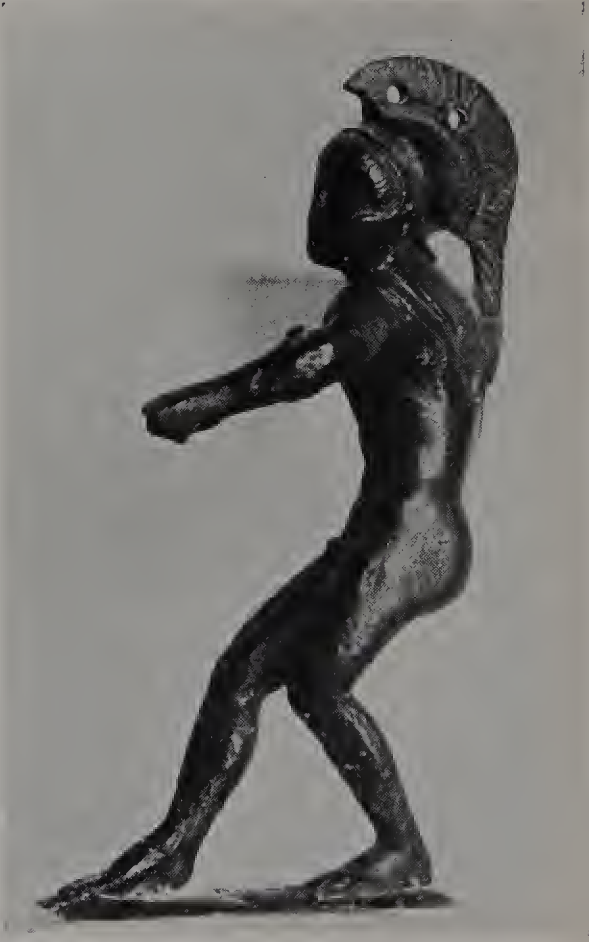


Fig. 128. Bronze statuette of a falling warrior
Museo Civico, Modena
(Cf. p. 69)

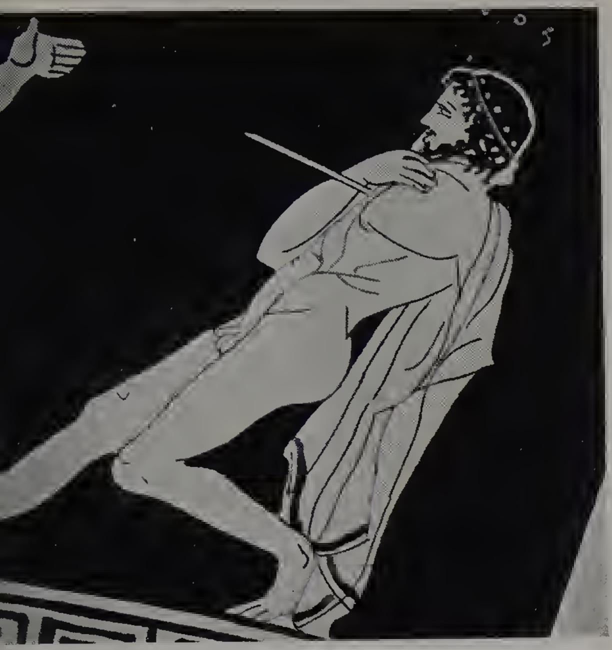


Fig. 130. Tityos, from a red-figured krater
Metropolitan Museum of Art
(Cf. p. 69)

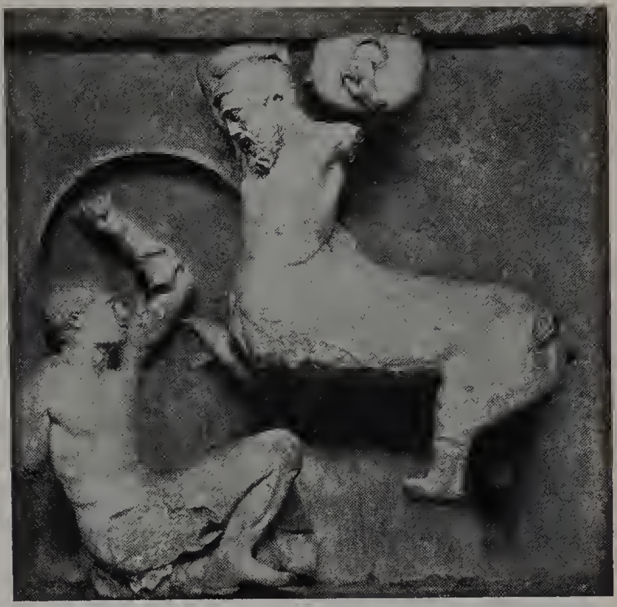


Fig. 131. Centaur and Lapith. Metope of the Parthenon
British Museum, London
(Cf. p. 69)

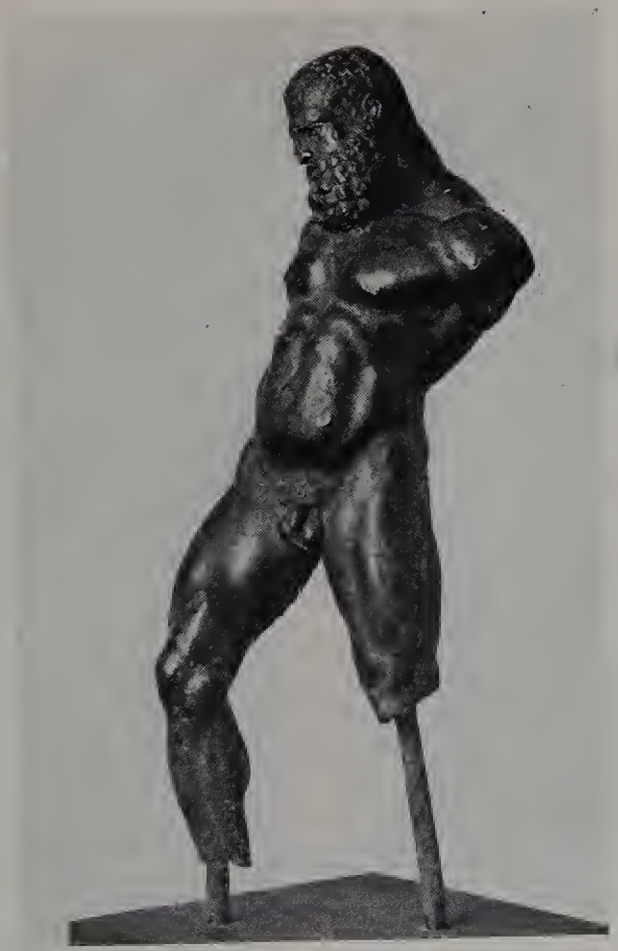


Fig. 132. Bronze statuette of drunken Herakles
Metropolitan Museum of Art
(Cf. p. 69)

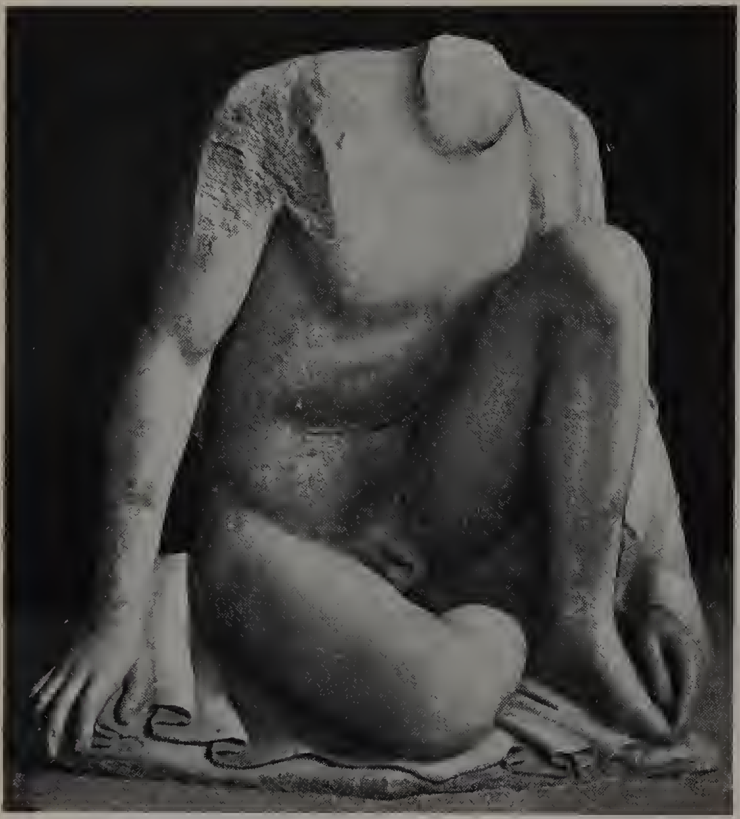


Fig. 133. Crouching figure, from the eastern pediment at Olympia
Olympia Museum
(Cf. pp. 69, 123–124)

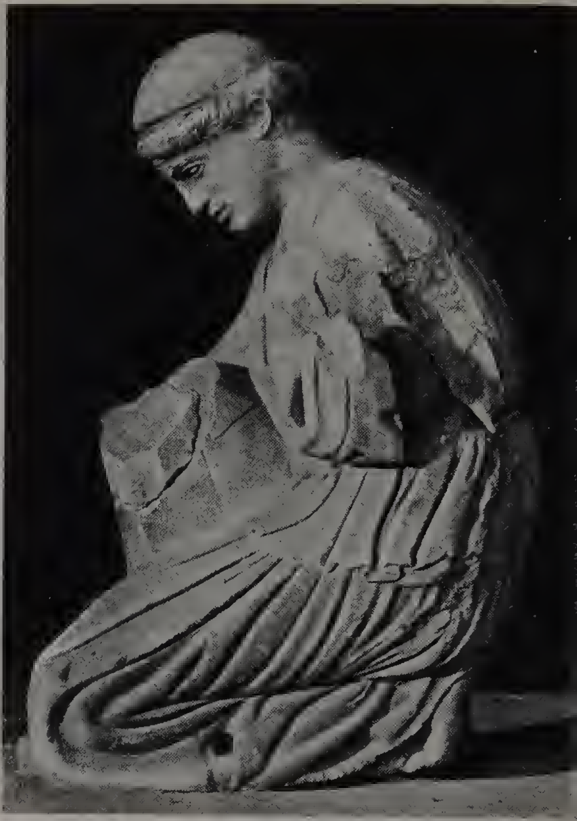


Fig. 134. Crouching figure, from the eastern pediment at Olympia
Olympia Museum
(Cf. pp 69, 123–124)

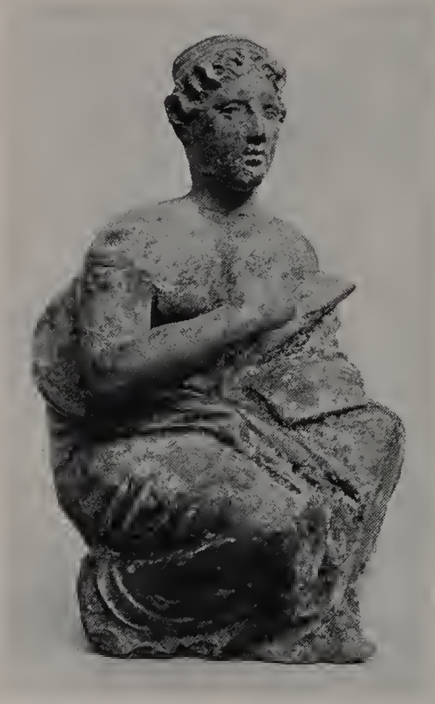


Fig. 135. Terracotta statuette of a crouching girl
Metropolitan Museum of Art
(Cf. p. 69)

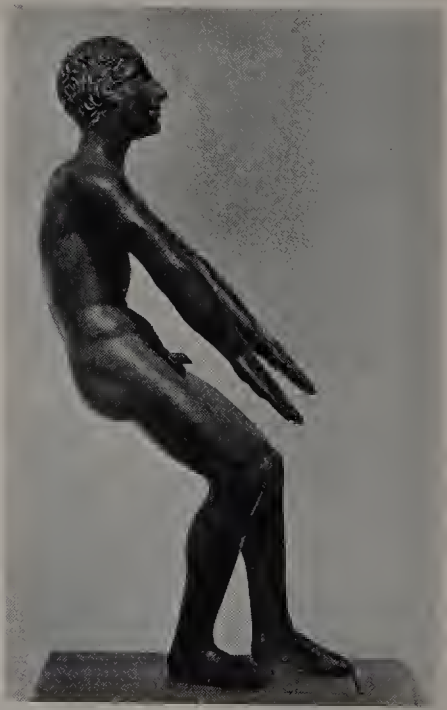


Fig. 136. Bronze statuette of a youth finishing a jump (?)
Metropolitan Museum of Art
(Cf. p. 70)

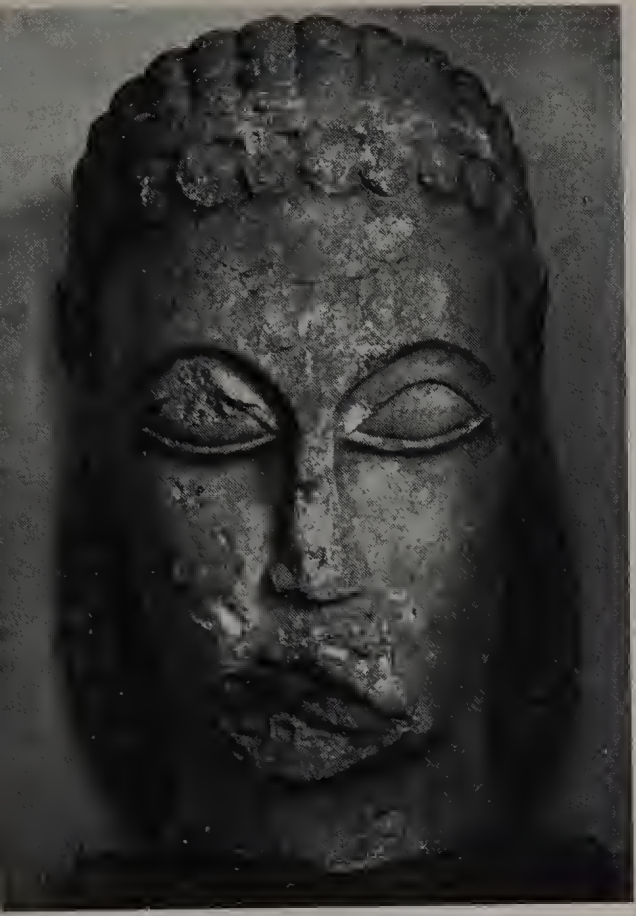


Fig. 137. Head, from the Dipylon (cf. p. 71)
National Museum, Athens

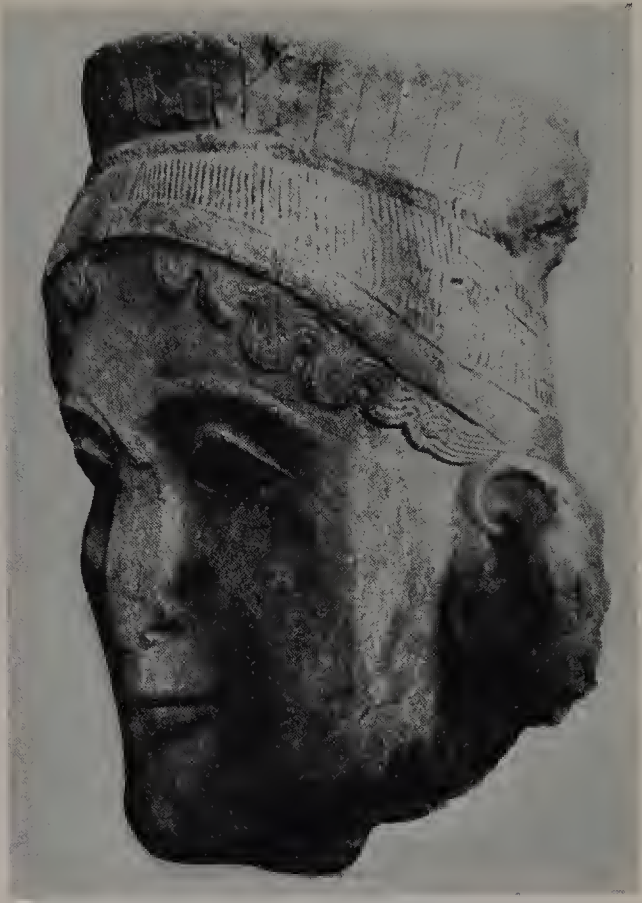


Fig. 138. Head of Hera, probably from the Heraion at Olympia (cf. p. 71)
Olympia Museum

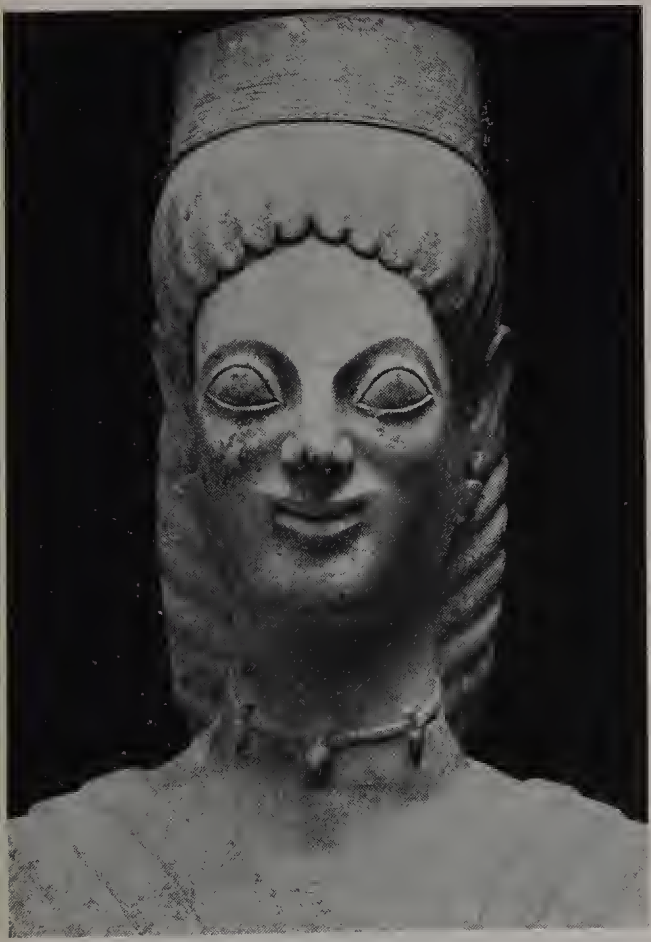


Fig. 139. Head of a Maiden, from Attica (cf. p. 71)
Staatliche Museen, Berlin

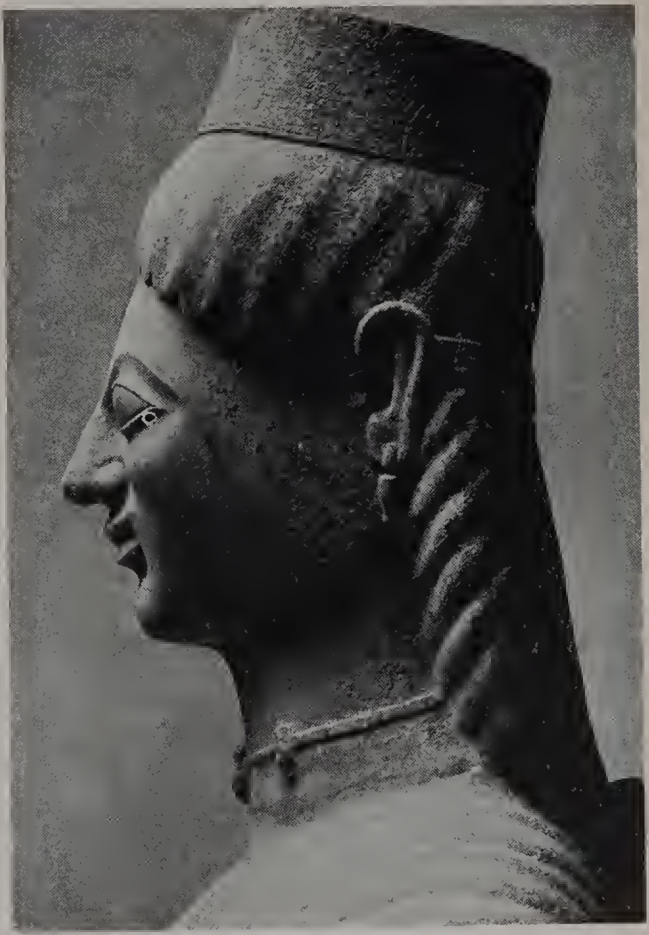


Fig. 140. Profile view of Fig. 139

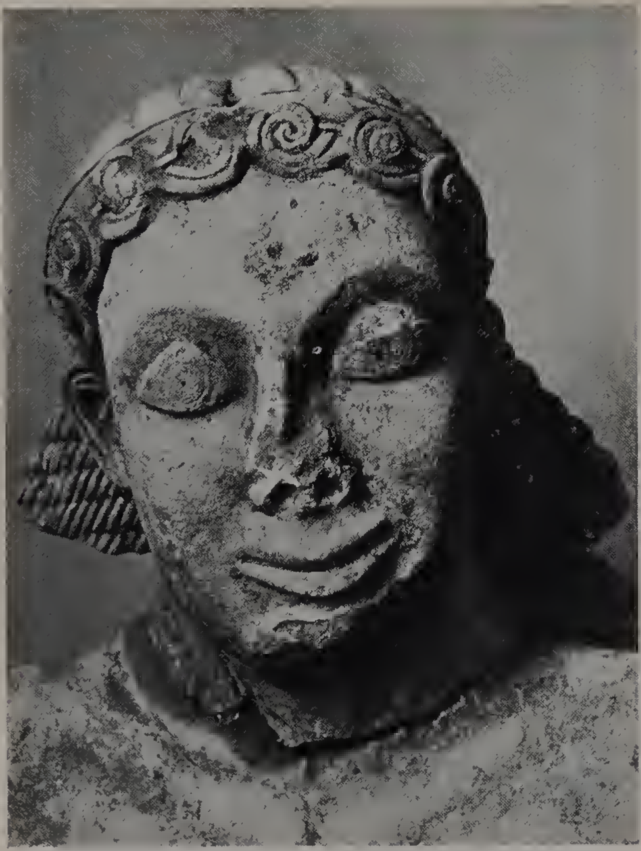


Fig. 141. Head of Chrysaor, from the western pediment at Corfu
Corfu Museum
(Cf. p. 71)

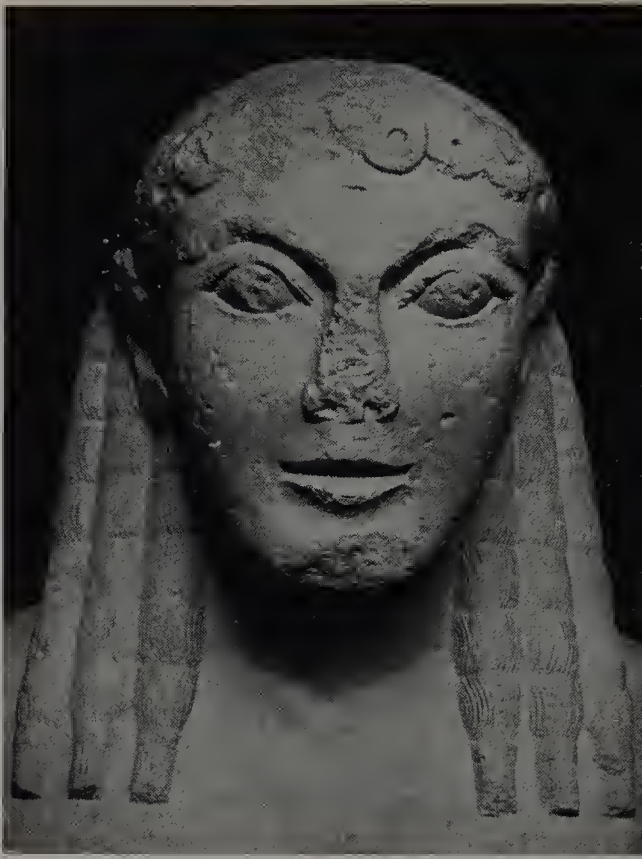


Fig. 142. Head of the Delphi Youth (from a cast)
Delphi Museum
(Cf. p. 71)

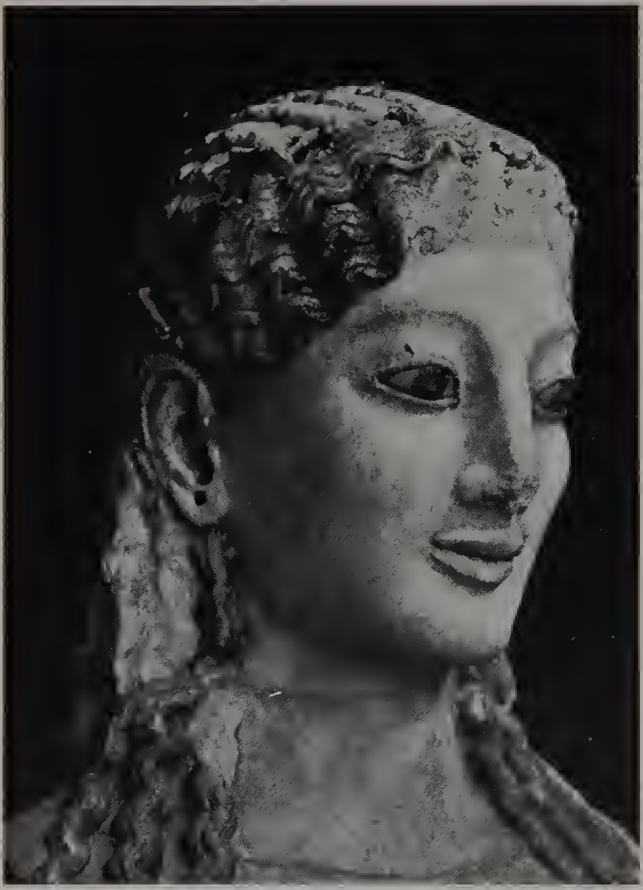


Fig. 143. Head of a Maiden
No. 679, Akropolis Museum, Athens
(Cf. p. 72)

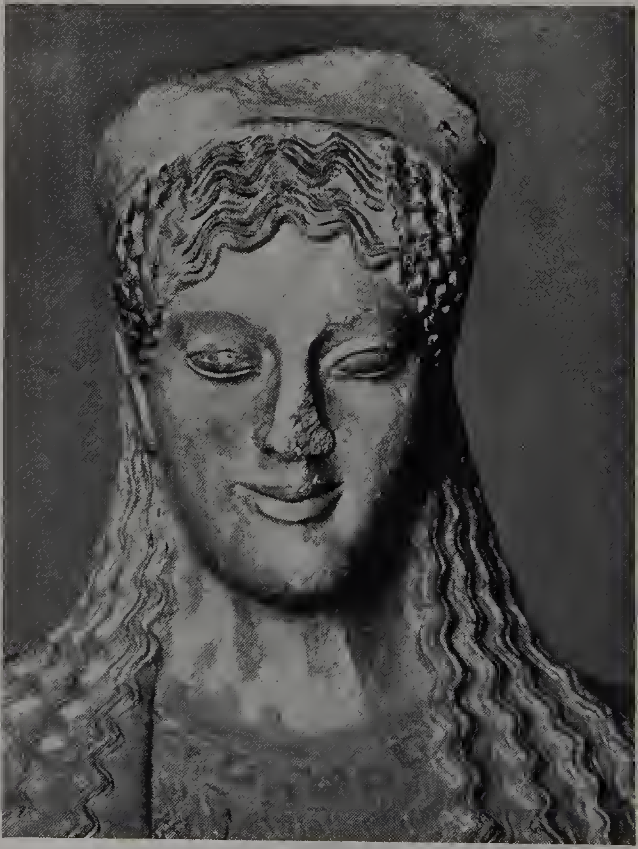


Fig. 144. Head of a Maiden (from a cast)
No. 680, Akropolis Museum, Athens
(Cf. p. 72)

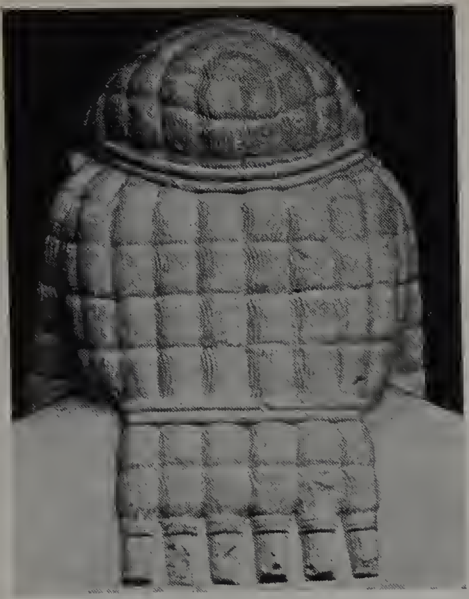


Fig. 145. Back of the head of the Delphi Youth (from a cast)
Delphi Museum
(Cf. p. 73)

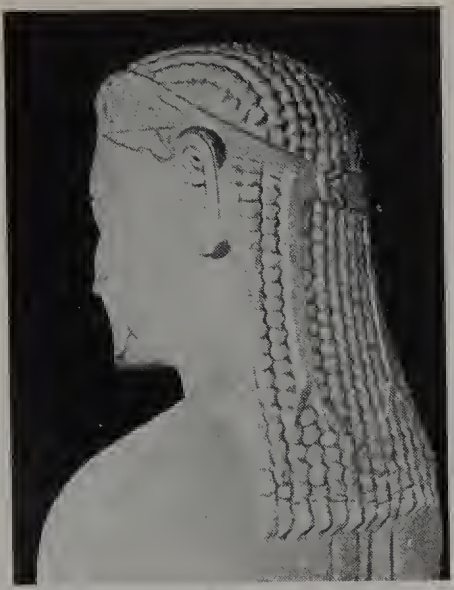


Fig. 146. Detail of the "Sounion Apollo" (from a cast)
National Museum, Athens
(Cf. p. 73)

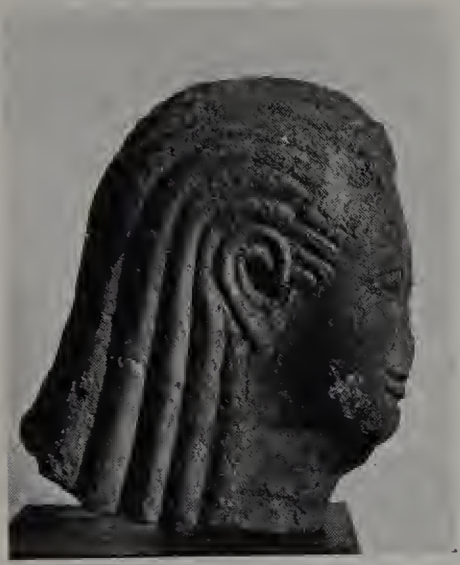


Fig. 147. Terracotta head
Metropolitan Museum of Art
(Cf. p. 73)

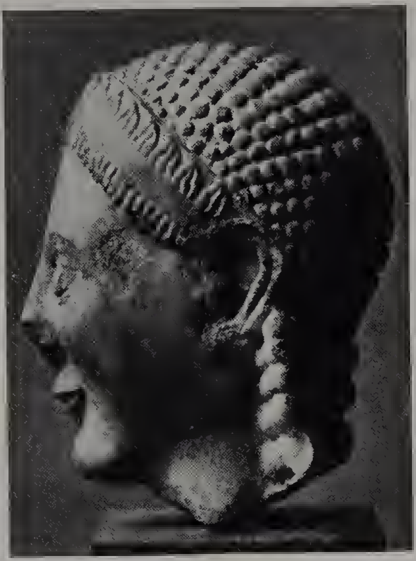


Fig. 148. Head of an "Apollo" from near Sounion
Metropolitan Museum of Art
(Cf. p. 73)

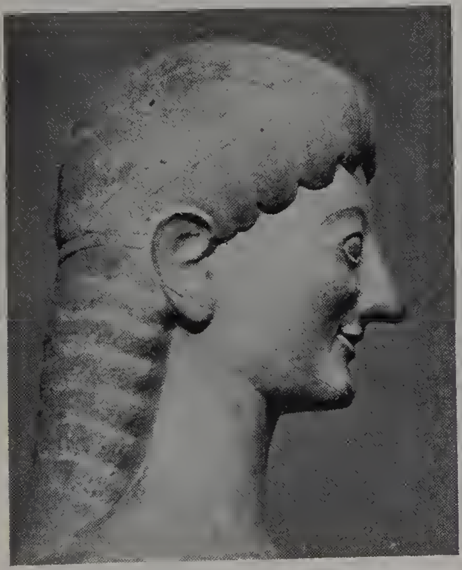


Fig. 149. Head of the "Apollo" from Tenea (from a cast)
The Glyptothek, Munich
(Cf. p. 73)

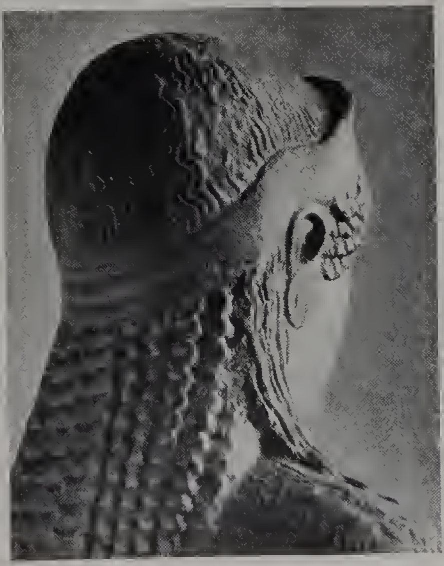


Fig. 150. Head of a Maiden (from a cast)
No. 68o, Akropolis Museum, Athens
(Cf. p. 73)

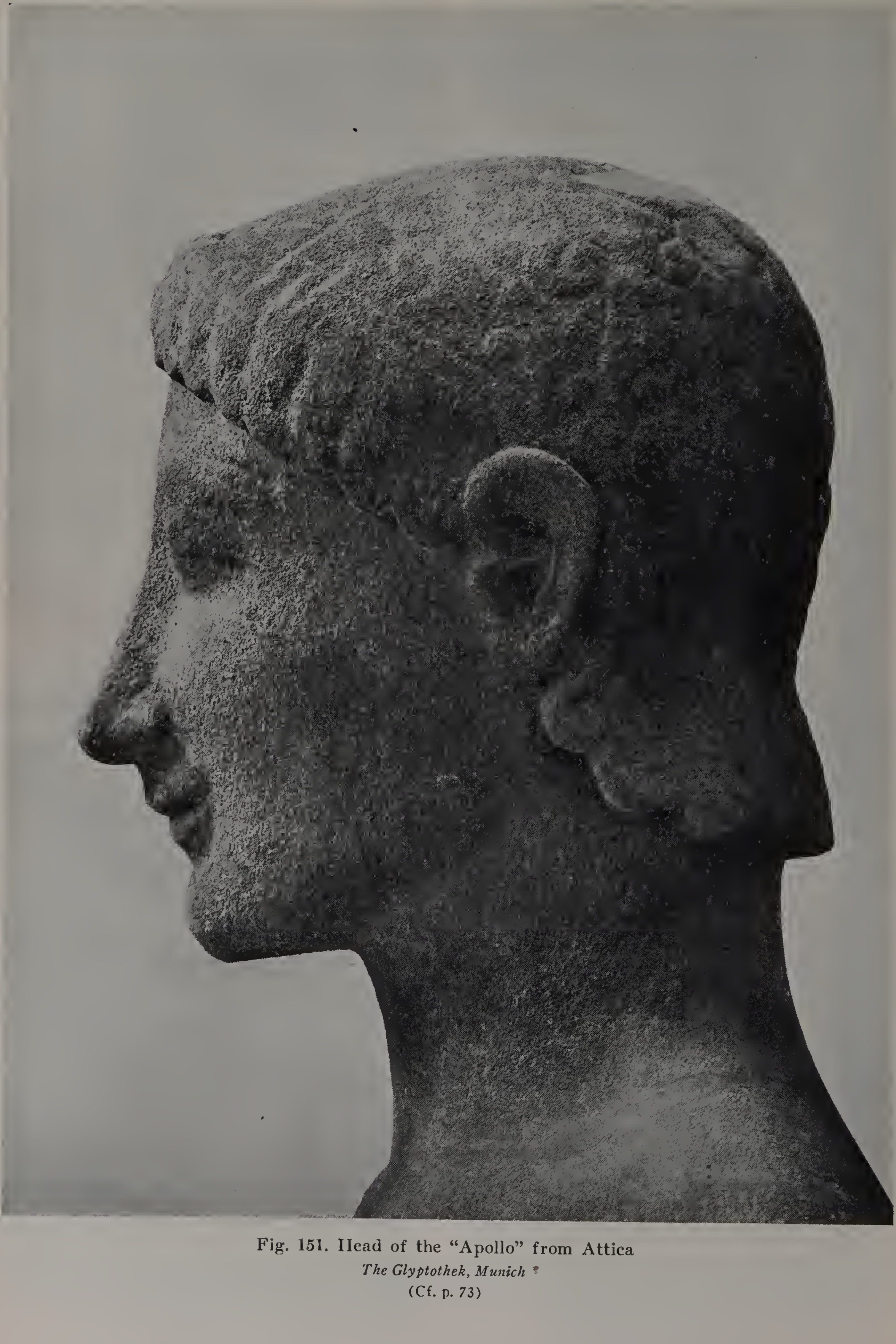


Fig. 151. Head of the "Apollo" from Attica

The Glyptothek, Munich

(Cf. p. 73)

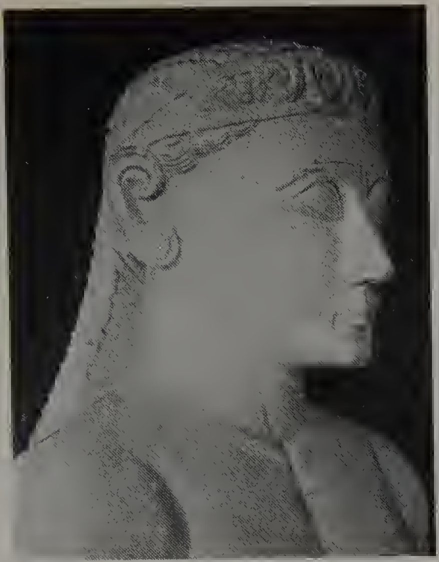


Fig. 152. Head of the "Apollo" from Sounion (from a cast)
National Museum, Athens
(Cf. p. 73)

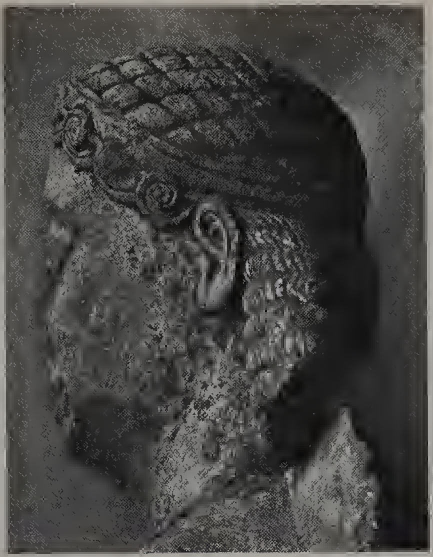


Fig. 153. Head of Chrysaor, from the western pediment at Corfu
Corfu Museum
(Cf. p. 73)

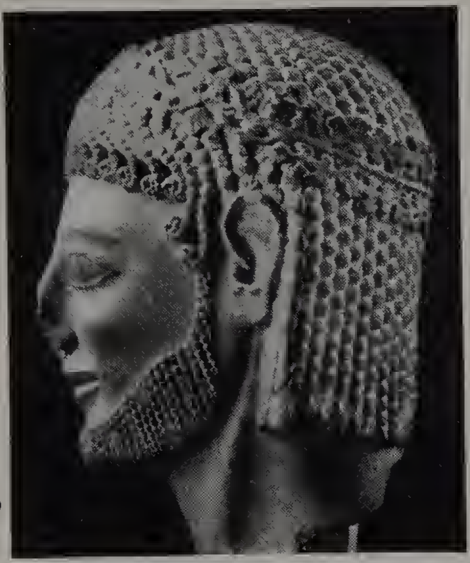


Fig. 154. "Rampin head"
The Louvre, Paris
(Cf. p. 73)

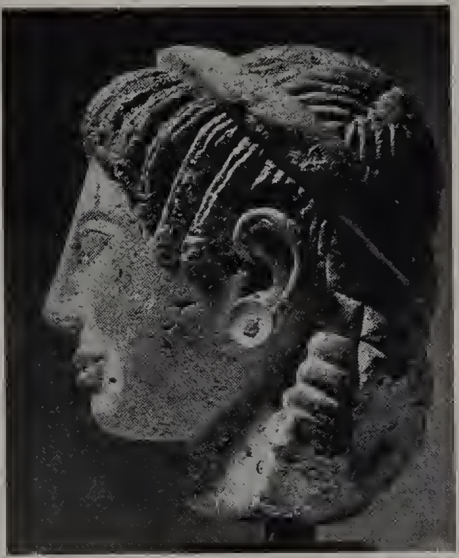


Fig. 155. Limestone head of a woman
Museum of Fine Arts, Boston
(Cf. p. 73)

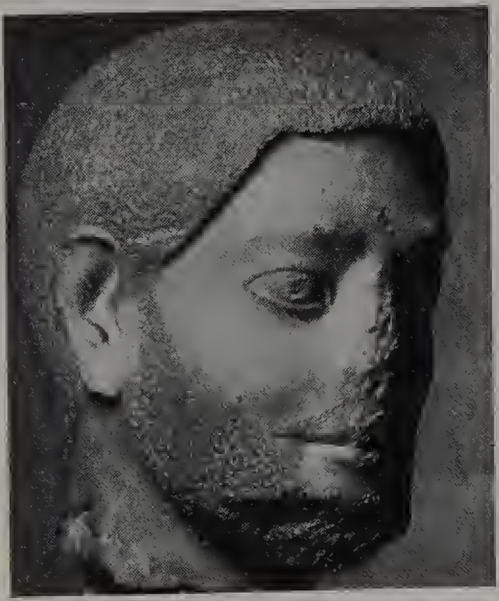


Fig. 156. Head of a man
Staatliche Museen, Berlin
(Cf. p. 74)

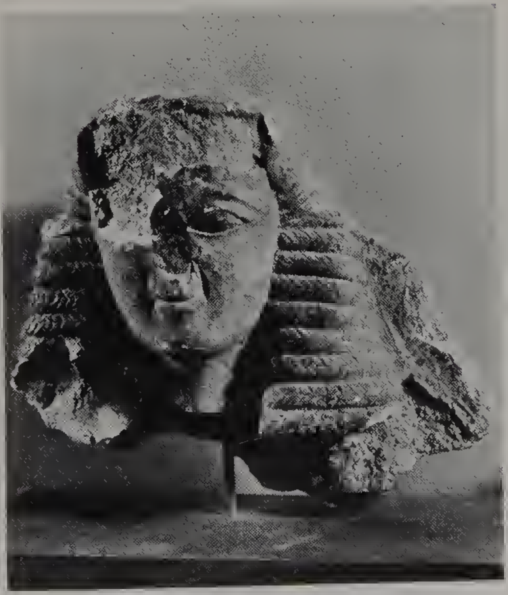


Fig. 157. Terracotta head of a woman antefix from a temple at Metaurum
Metropolitan Museum of Art
(Cf. p. 73)

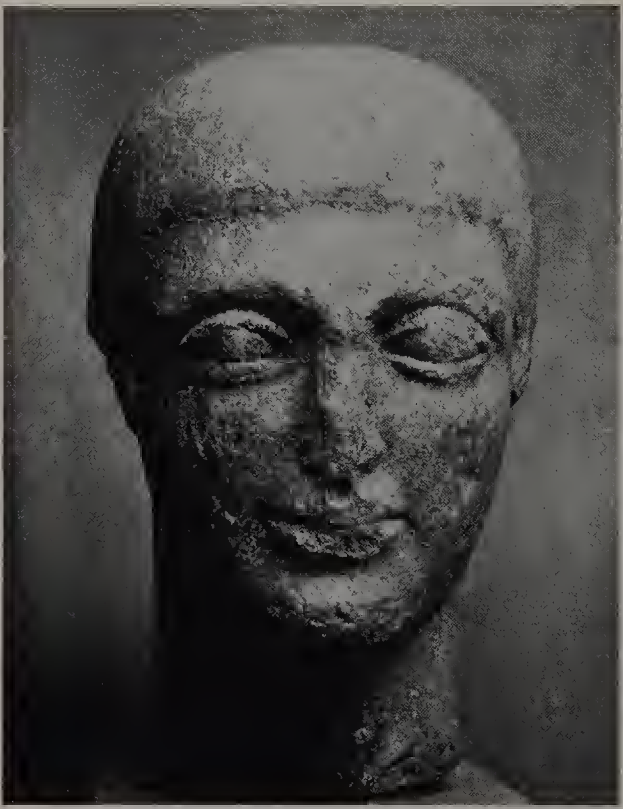


Fig. 158. Head of a youth
Metropolitan Museum of Art
(Cf. p. 74)

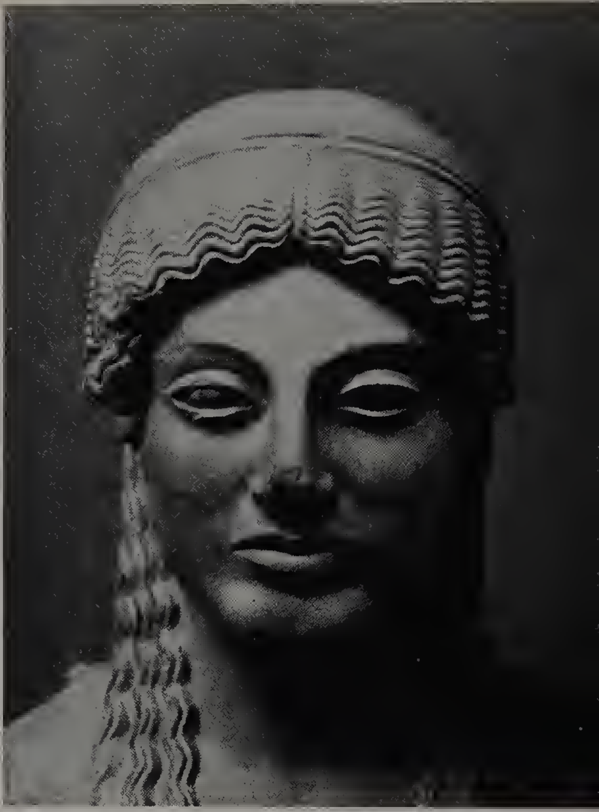


Fig. 159. Head of "La Boudeuse" (from a cast)
No. 686, Akropolis Museum, Athens
(Cf. p. 74)

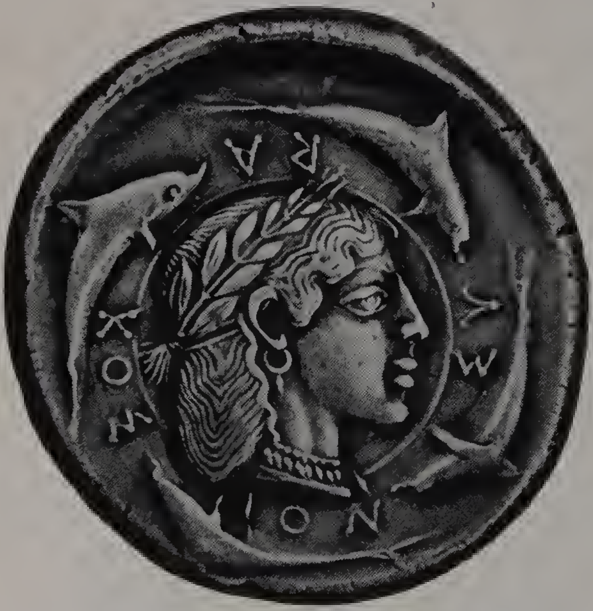


Fig. 160. Demareteion. From an electrotype of a coin of Syracuse
British Museum, London
(Cf. p. 74)

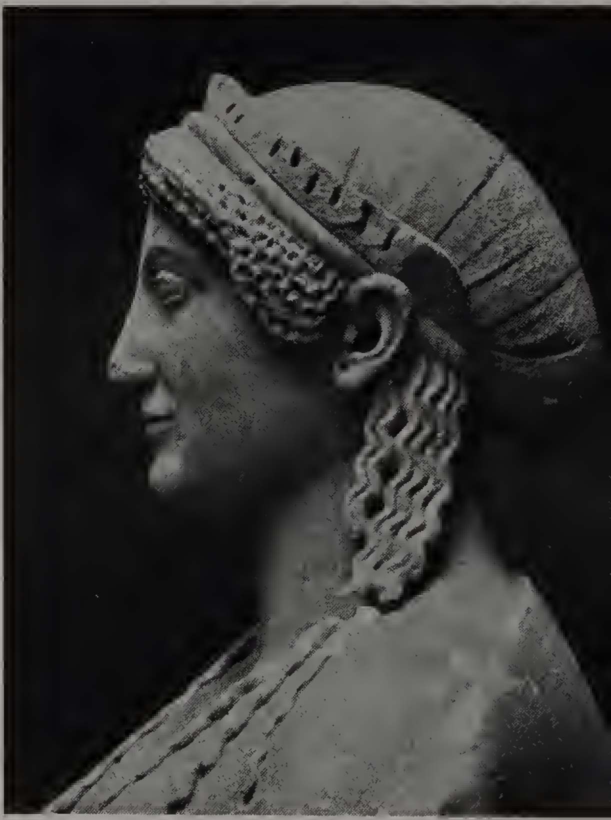


Fig. 161. Head of a seated goddess
Staatliche Museen, Berlin
(Cf. p. 74)

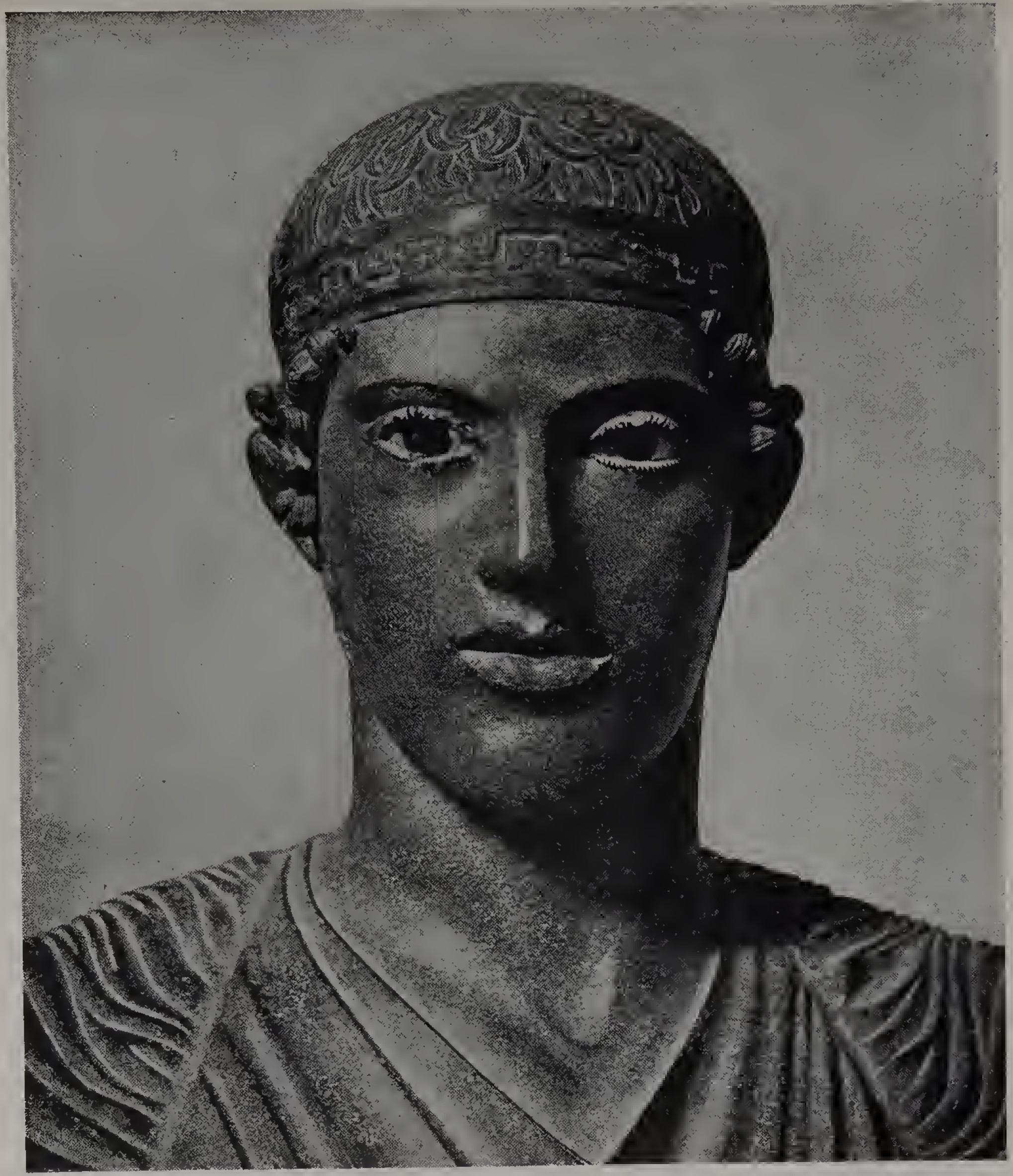


Fig. 162. Head of the bronze statue of a charioteer

Delphi Museum

(Cf. pp. 74, 75)

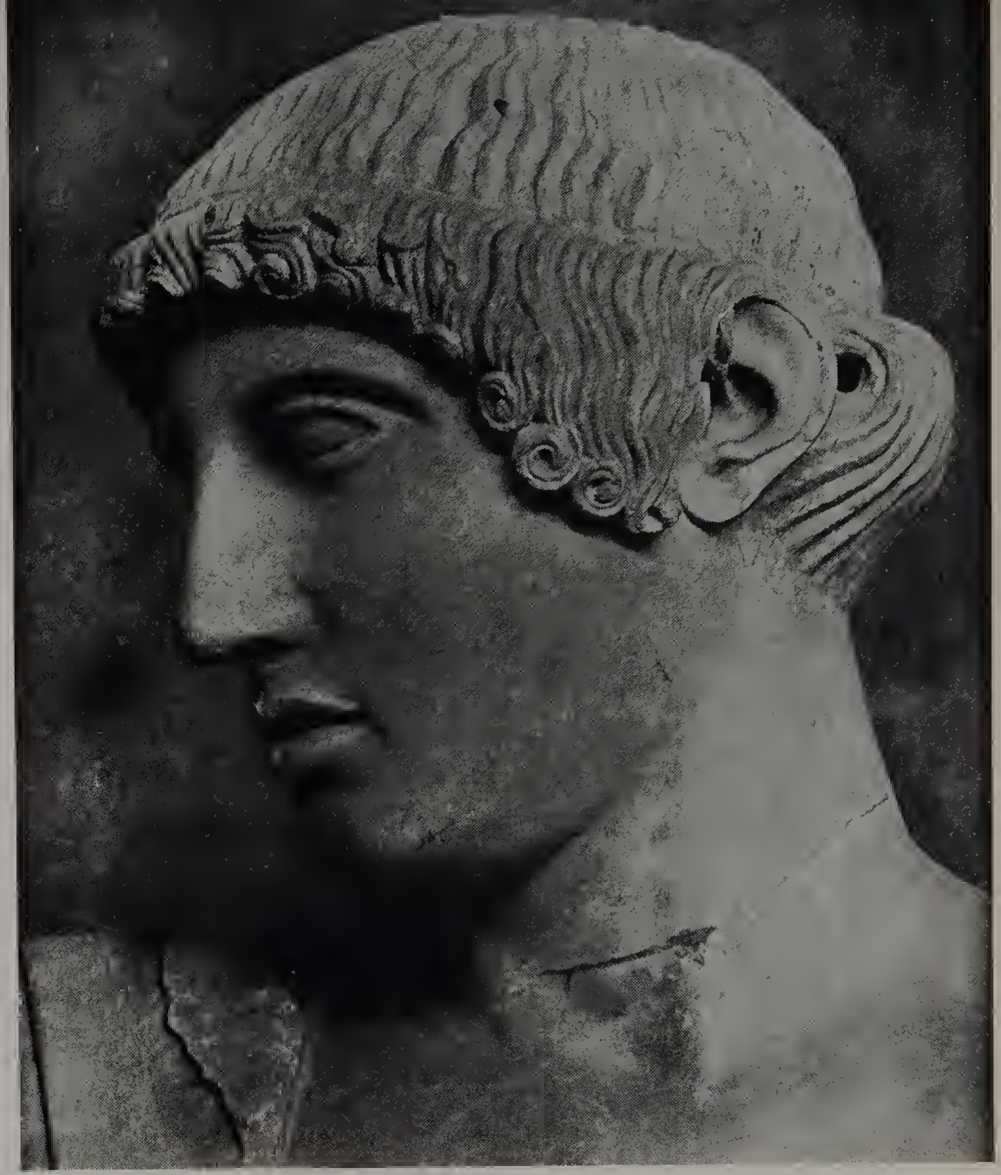


Fig. 163. Head of Apollo, from the western pediment at Olympia

Olympia Museum

(Cf. p. 74)

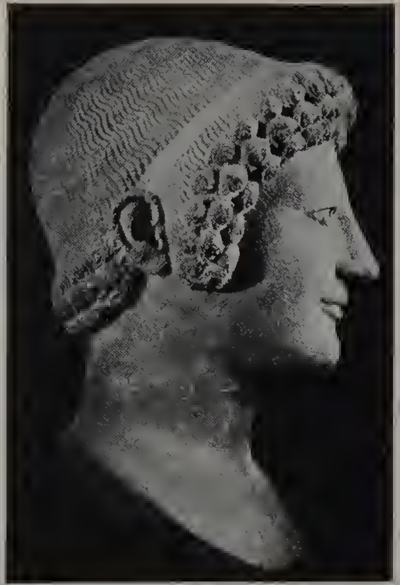


Fig. 164. Head of a youth
(from a cast) (cf. p. 74)
Barracco Museum, Rome

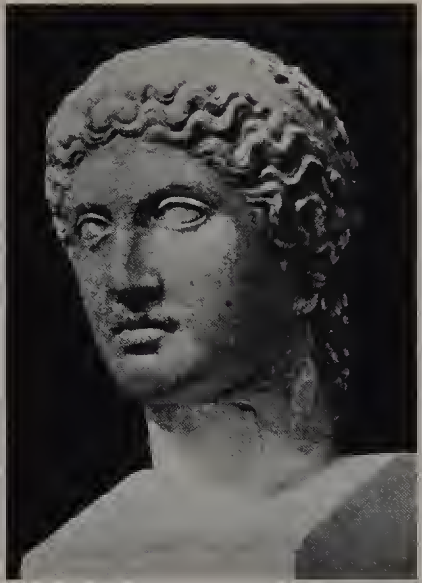
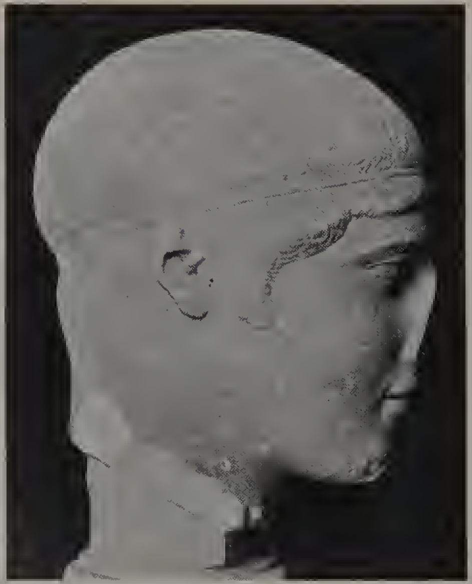
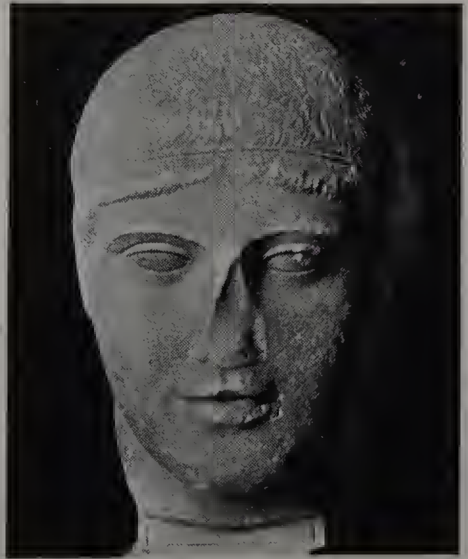


Fig. 165. Head from the Argive
Heraion (cf. p. 75)
National Museum, Athens



Photograph by Cappellari
Fig. 166. Head of a youth (cf. p. 74)
Museo Bresciano, Brescia



Photograph by Cappellari
Fig. 167. Front view of Fig. 166

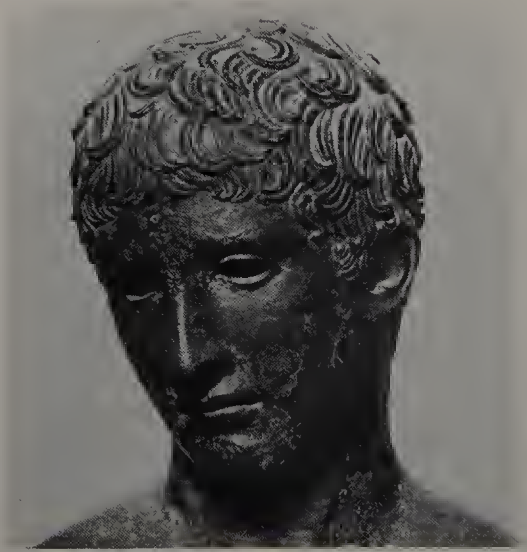


Fig. 168. Head of a bronze statue, the Idolino
Museo Archeologico, Florence

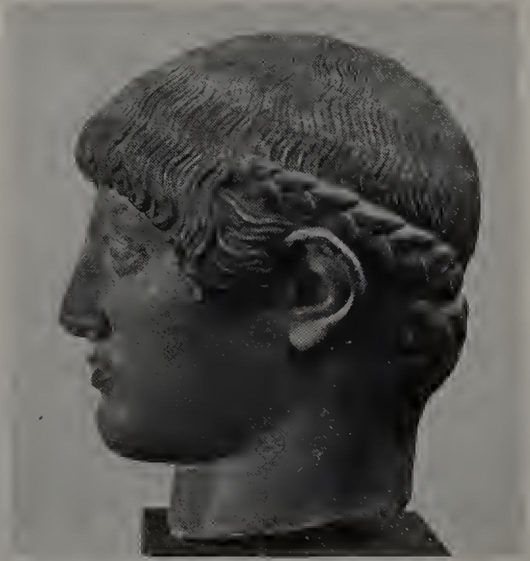


Fig. 169. Head of the "Blond Boy"
(from a cast) (cf. p. 74)

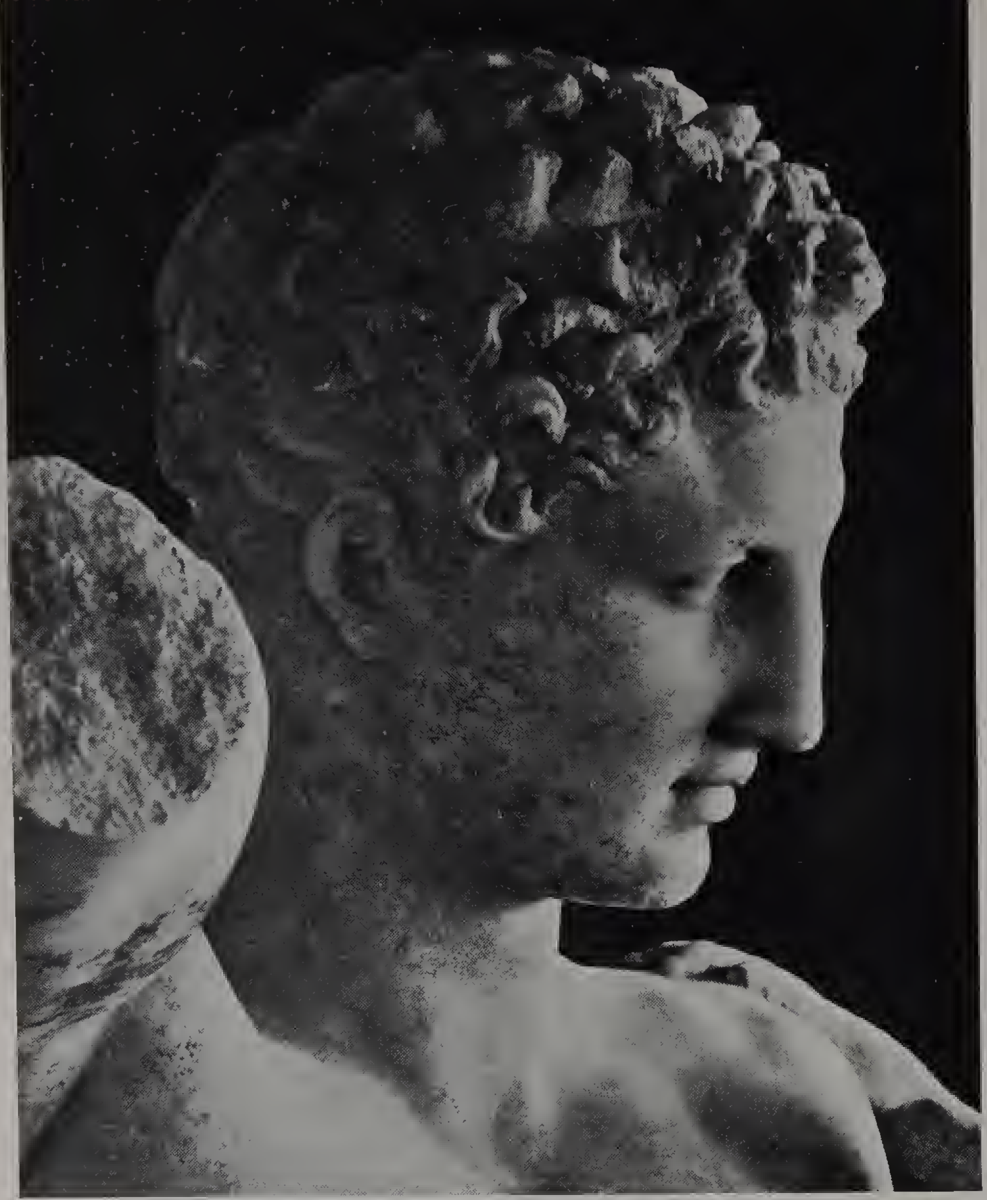


Fig. 170. Head of the Hermes by Praxiteles
Olympia Museum
(Cf. p. 75)

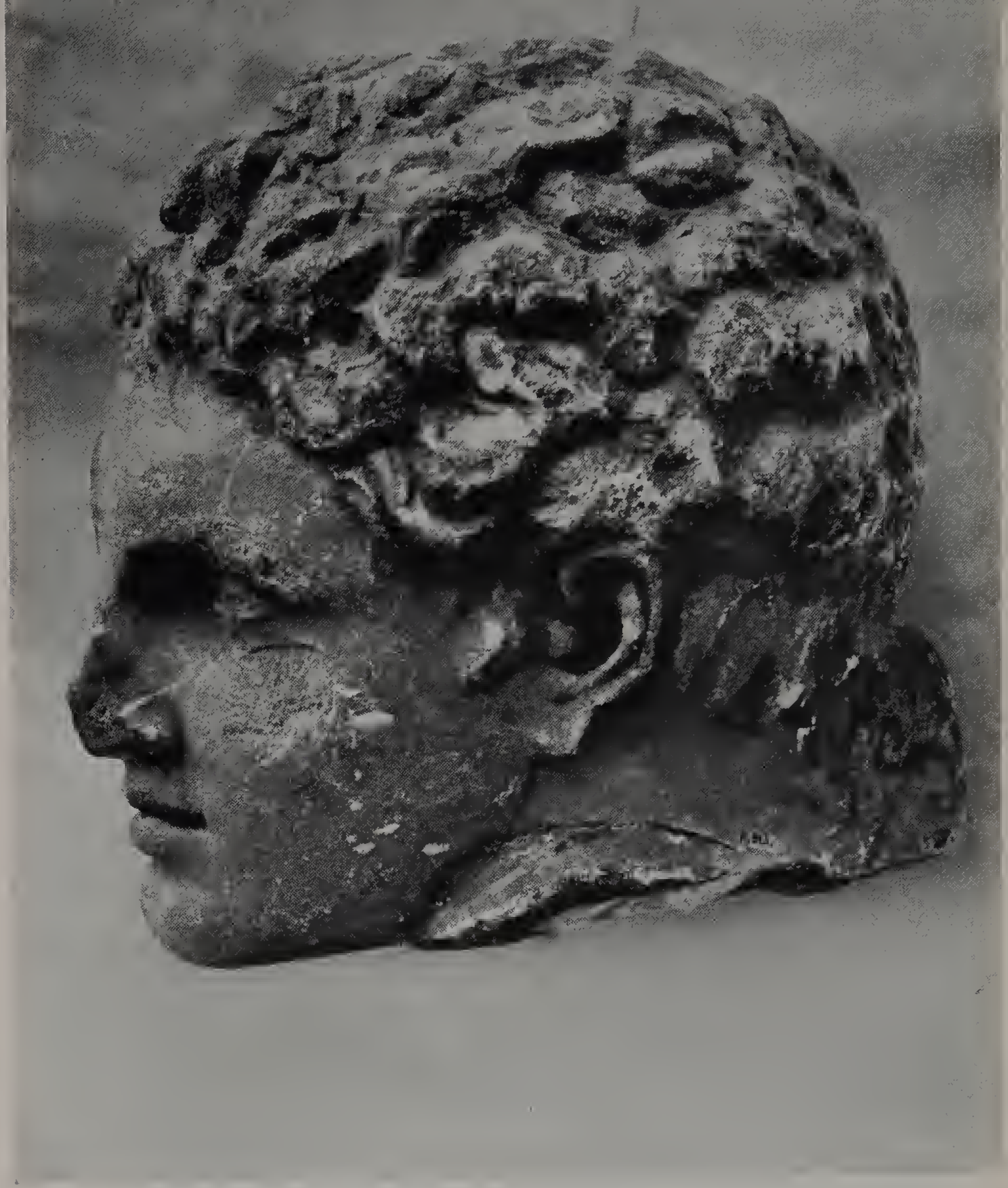


Fig. 171. Head from a relief
Metropolitan Museum of Art
(Cf. p. 75)

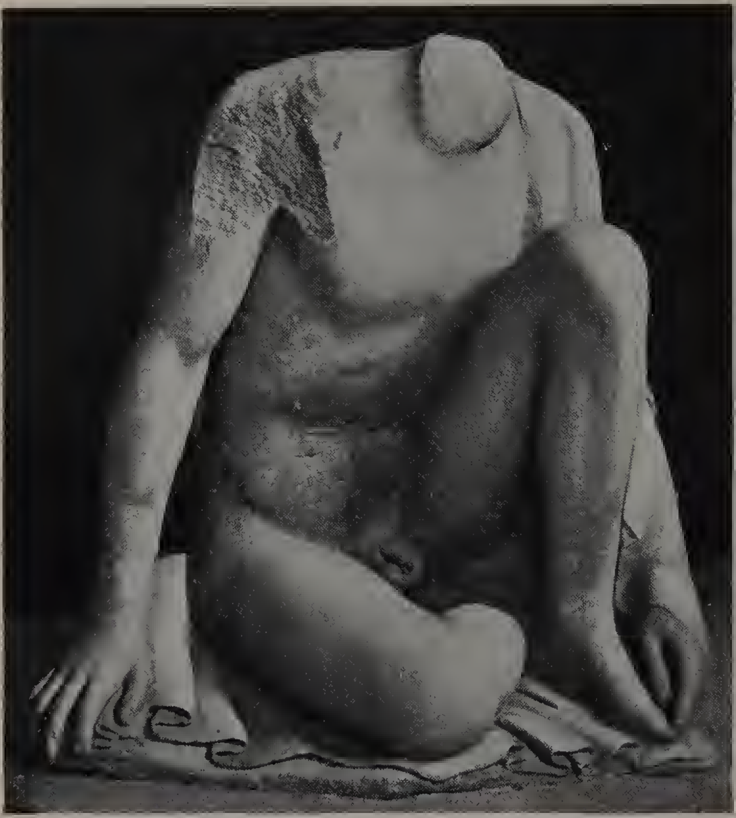


Fig. 133. Crouching figure, from the eastern pediment at Olympia
Olympia Museum
(Cf. pp. 69, 123–124)

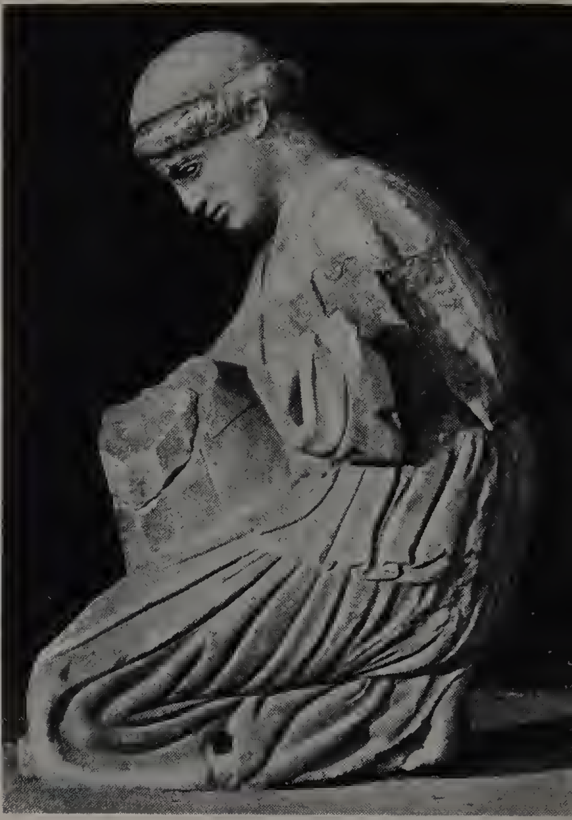


Fig. 134. Crouching figure, from the eastern pediment at Olympia
Olympia Museum
(Cf. pp 69, 123–124)

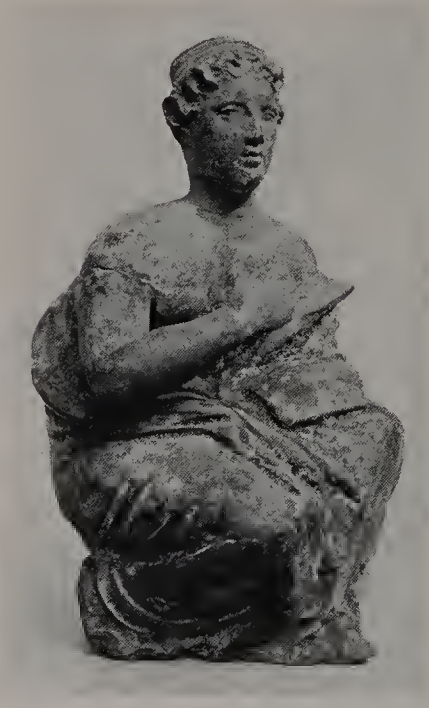


Fig. 135. Terracotta statuette of a crouching girl
Metropolitan Museum of Art
(Cf. p. 69)

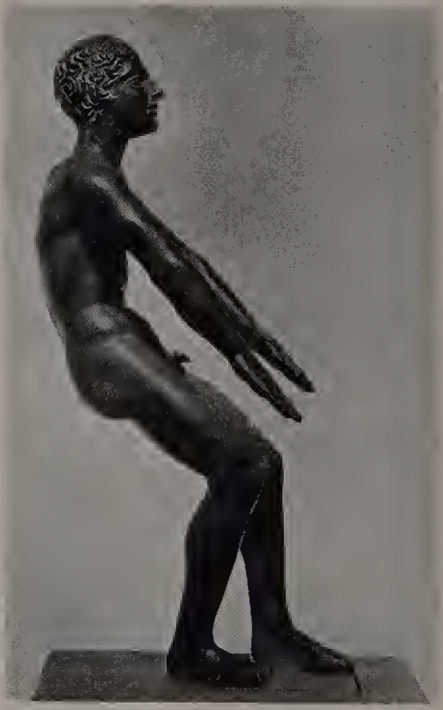


Fig. 136. Bronze statuette of a youth finishing a jump (?)
Metropolitan Museum of Art
(Cf. p. 70)

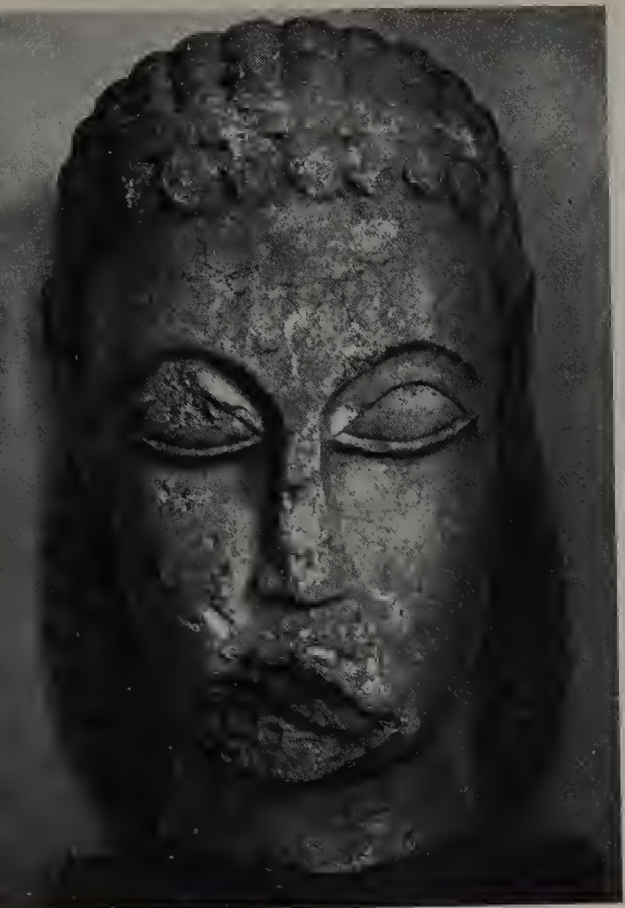


Fig. 137. Head, from the Dipylon (cf. p. 71)
National Museum, Athens

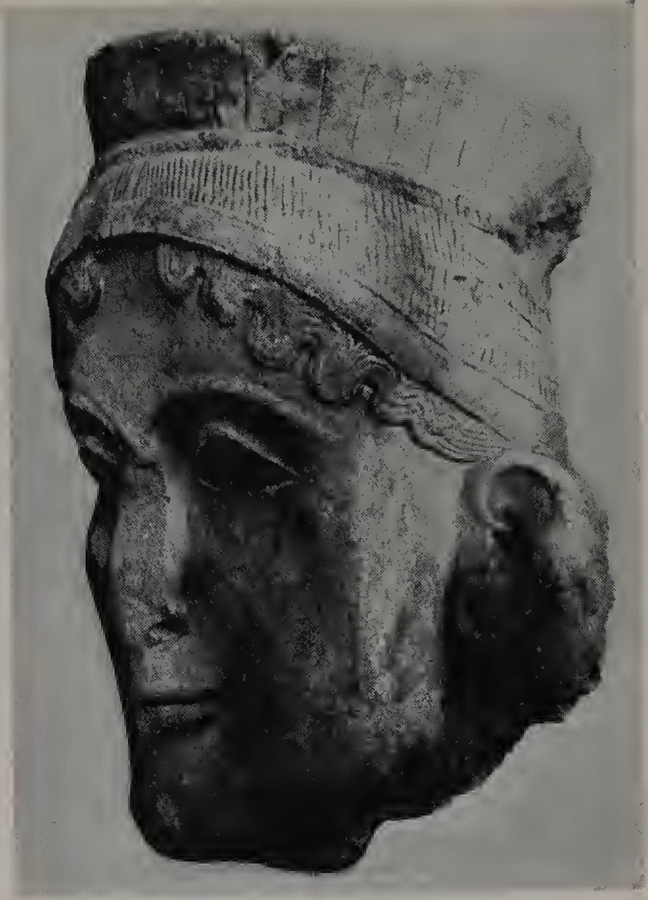


Fig. 138. Head of Hera, probably from the Heraion at Olympia (cf. p. 71)
Olympia Museum

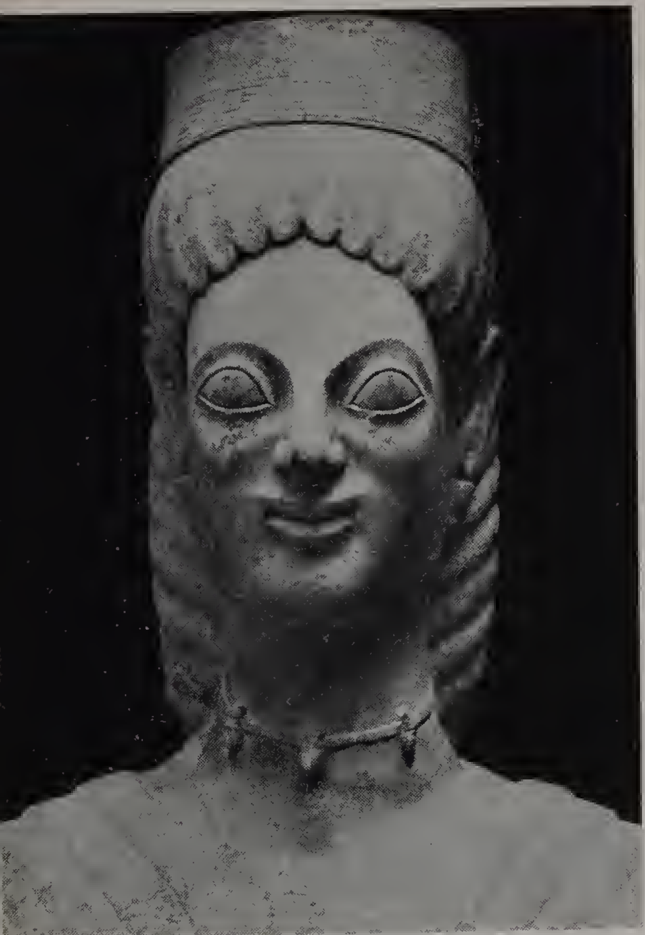


Fig. 139. Head of a Maiden, from Attica (cf. p. 71)
Staatliche Museen, Berlin

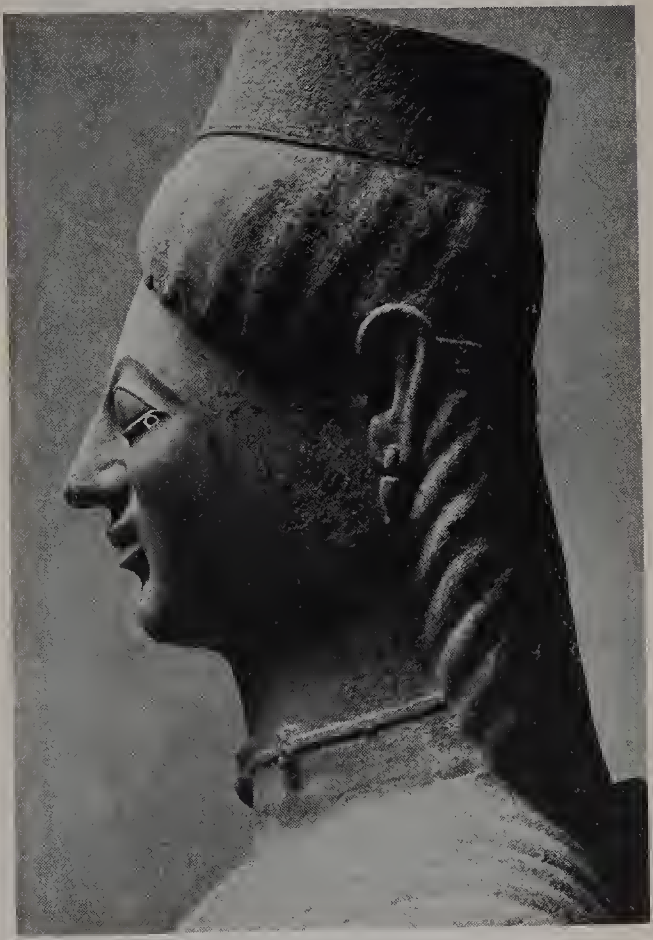


Fig. 140. Profile view of Fig. 139

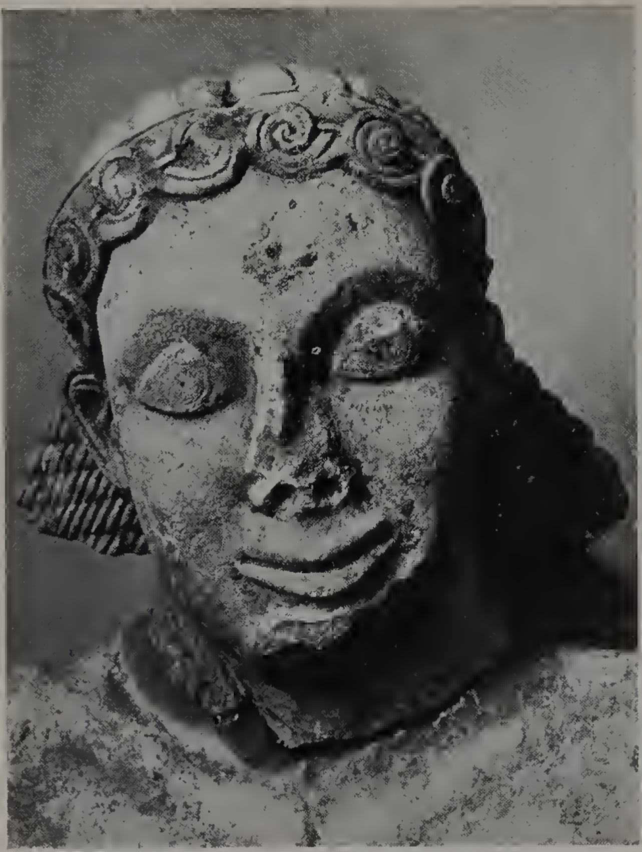


Fig. 141. Head of Chrysaor, from the western pediment at Corfu
Corfu Museum
(Cf. p. 71)

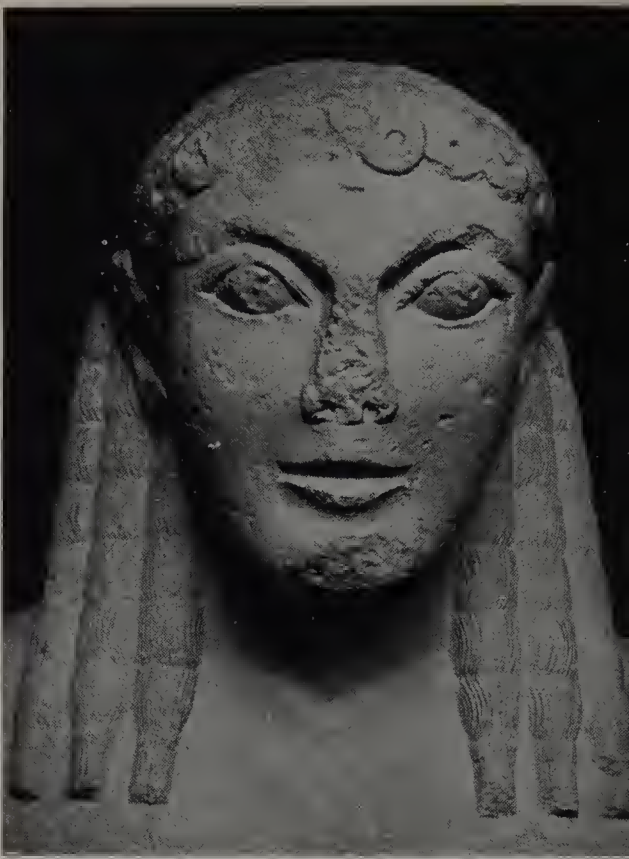


Fig. 142. Head of the Delphi Youth (from a cast)
Delphi Museum
(Cf. p. 71)

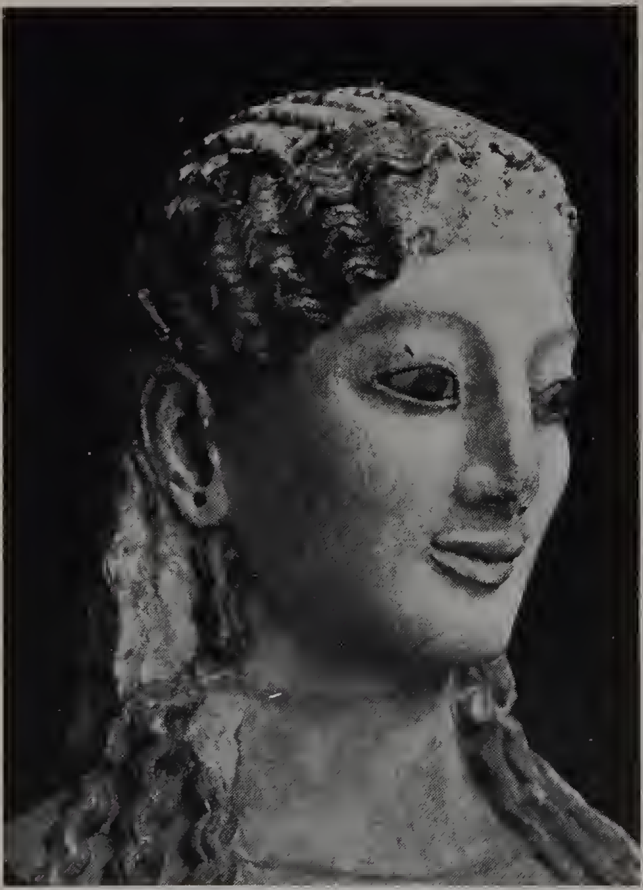


Fig. 143. Head of a Maiden
No. 679, Akropolis Museum, Athens
(Cf. p. 72)

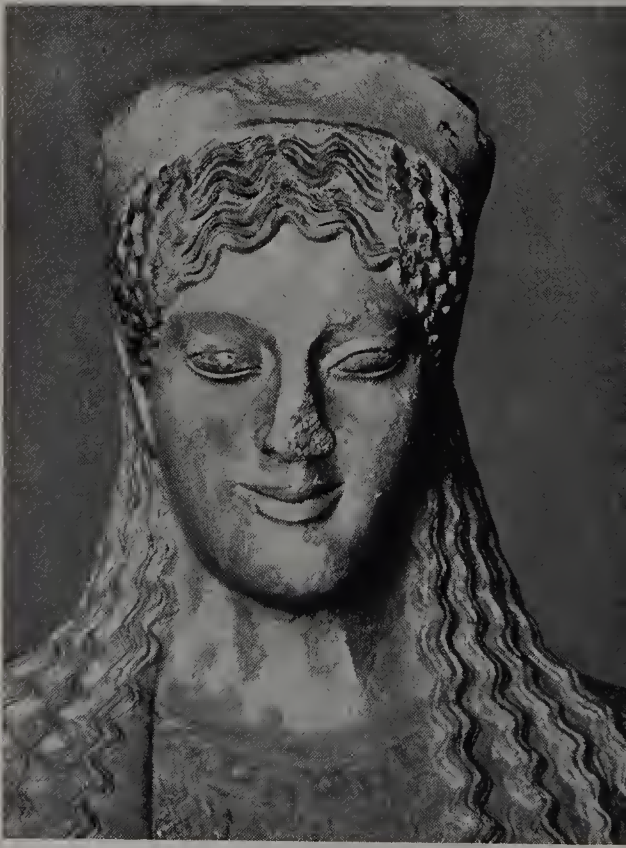


Fig. 144. Head of a Maiden (from a cast)
No. 680, Akropolis Museum, Athens
(Cf. p. 72)

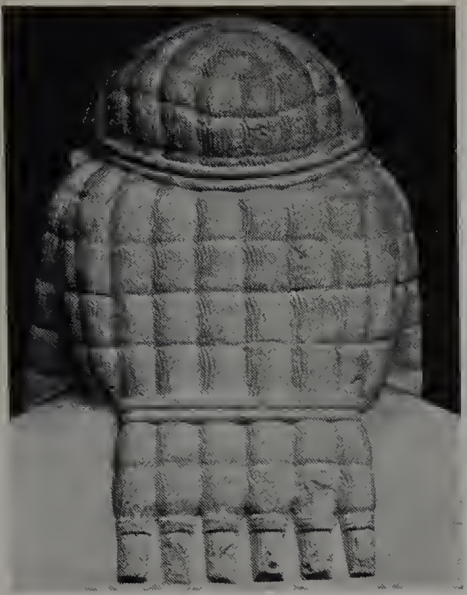


Fig. 145. Back of the head of the Delphi Youth (from a cast)
Delphi Museum
(Cf. p. 73)

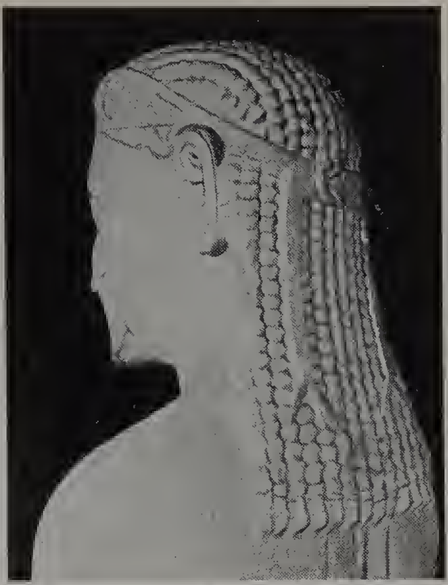


Fig. 146. Detail of the "Sounion Apollo" (from a cast)
National Museum, Athens
(Cf. p. 73)

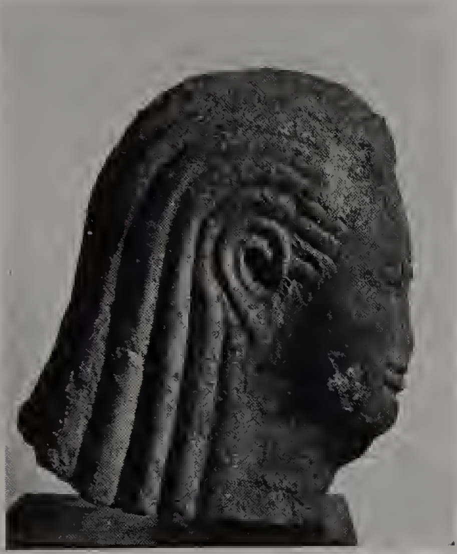


Fig. 147. Terracotta head
Metropolitan Museum of Art
(Cf. p. 73)

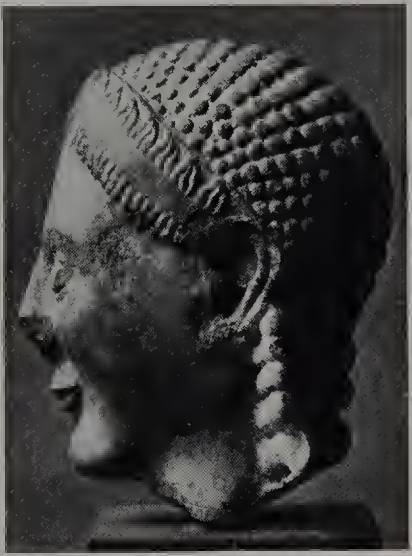


Fig. 148. Head of an "Apollo" from near Sounion
Metropolitan Museum of Art
(Cf. p. 73)

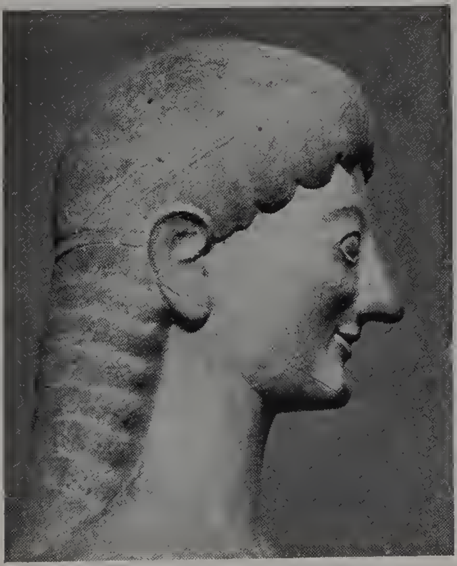


Fig. 149. Head of the "Apollo" from Tenea (from a cast)
The Glyptothek, Munich
(Cf. p. 73)

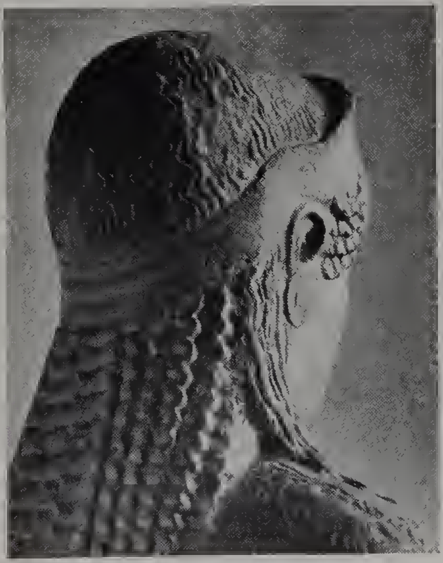


Fig. 150. Head of a Maiden (from a cast)
No. 680, Akropolis Museum, Athens
(Cf. p. 73)

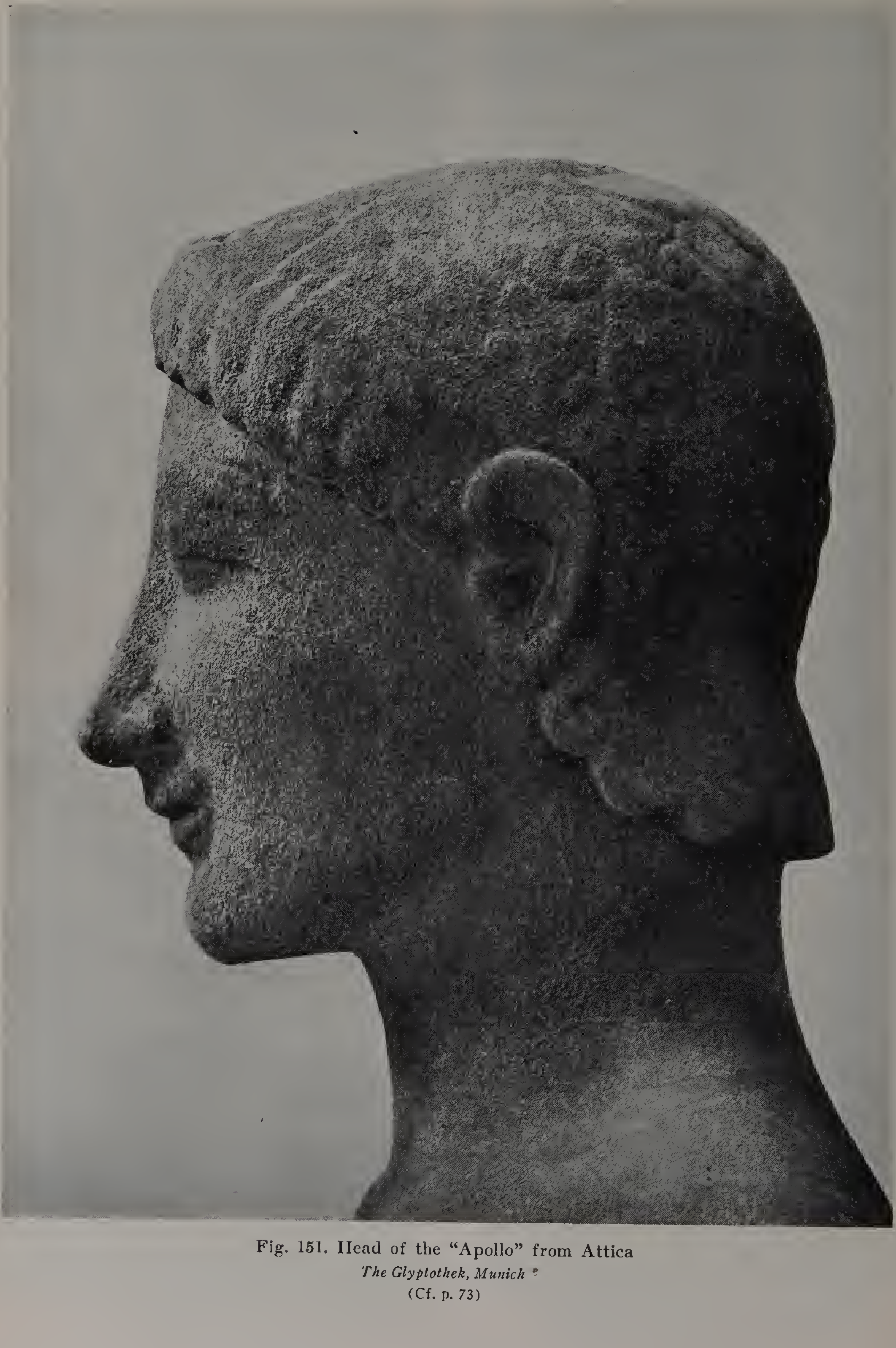


Fig. 151. Head of the "Apollo" from Attica

The Glyptothek, Munich

(Cf. p. 73)

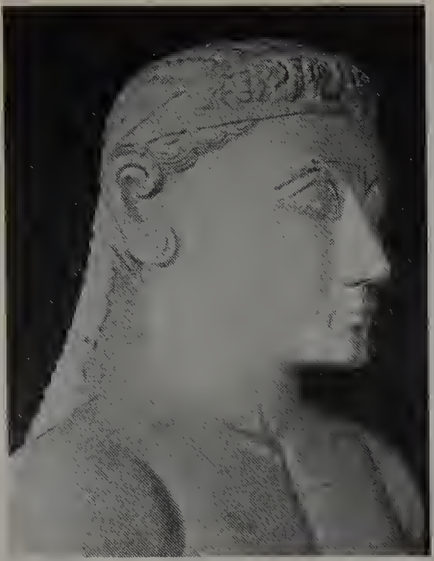


Fig. 152. Head of the "Apollo" from Sounion (from a cast)
National Museum, Athens
(Cf. p. 73)

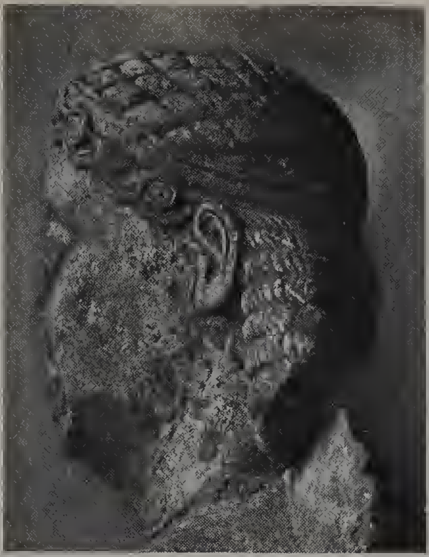


Fig. 153. Head of Chrysaor, from the western pediment at Corfu
Corfu Museum
(Cf. p. 73)

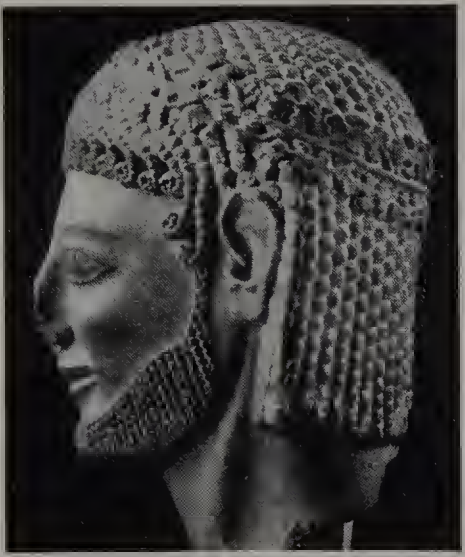


Fig. 154. "Rampin head"
The Louvre, Paris
(Cf. p. 73)

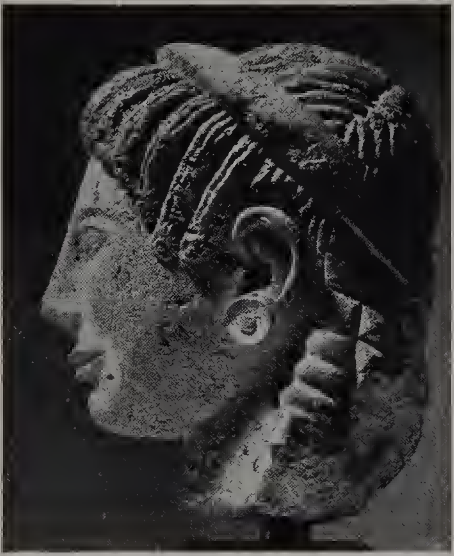


Fig. 155. Limestone head of a woman
Museum of Fine Arts, Boston
(Cf. p. 73)

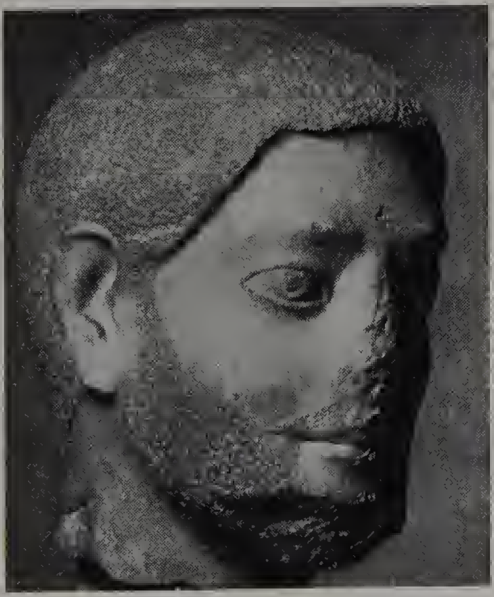


Fig. 156. Head of a man
Staatliche Museen, Berlin
(Cf. p. 74)

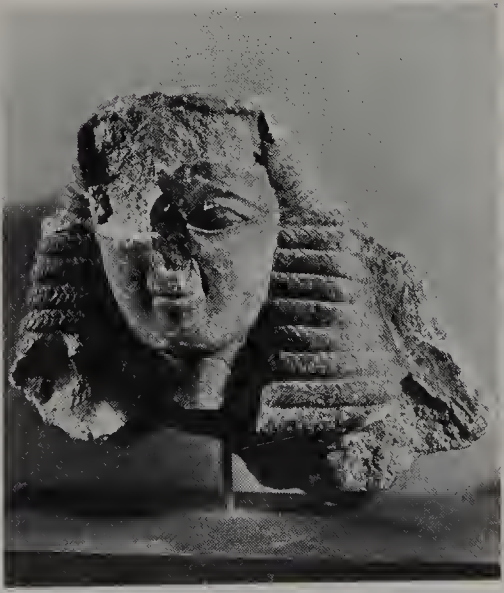


Fig. 157. Terracotta head of a woman antefix from a temple at Metaurum
Metropolitan Museum of Art
(Cf. p. 73)

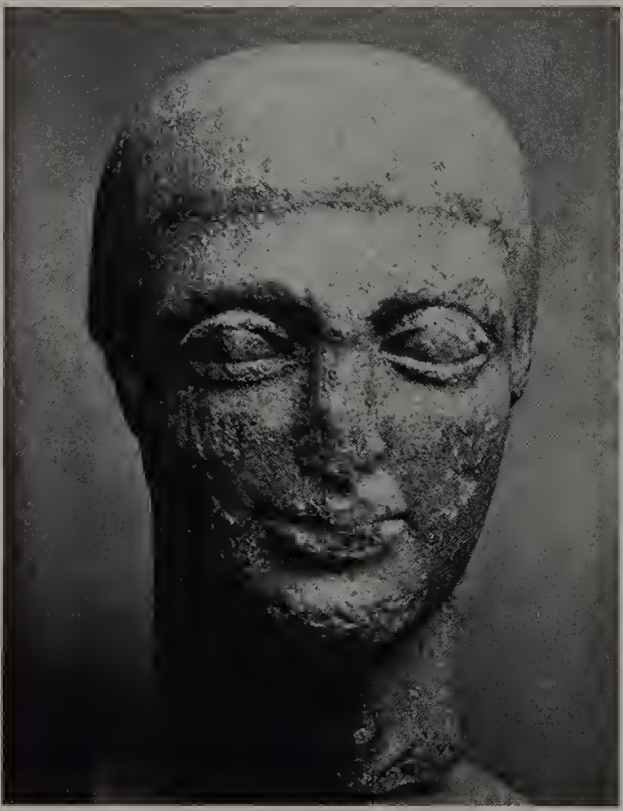


Fig. 158. Head of a youth
Metropolitan Museum of Art
(Cf. p. 74)

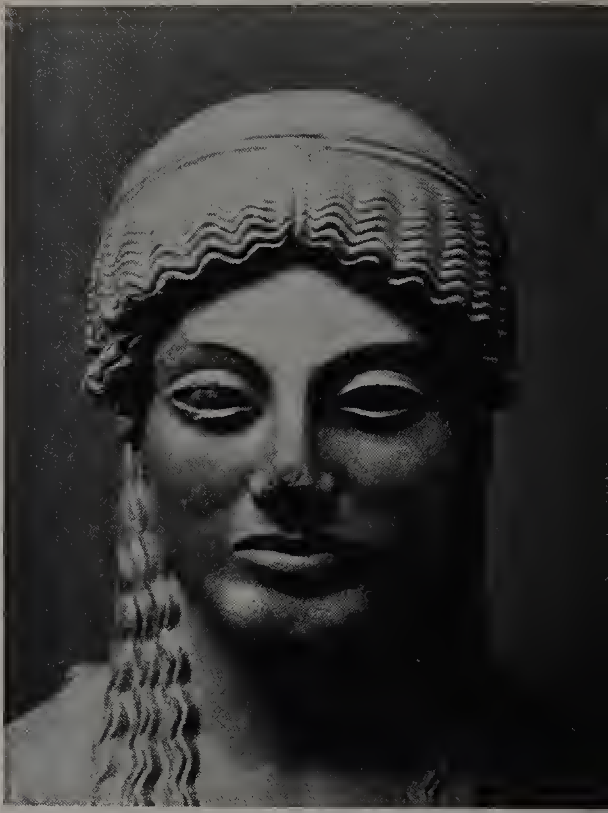


Fig. 159. Head of "La Boudeuse" (from a cast)
No. 686, Akropolis Museum, Athens
(Cf. p. 74)

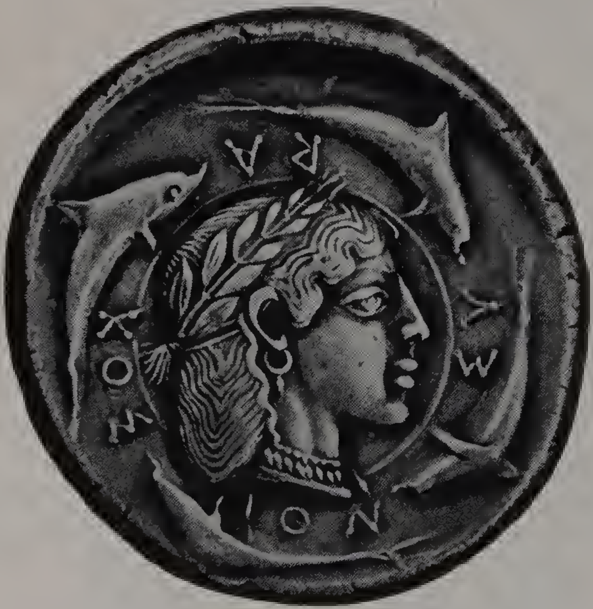


Fig. 160. Demareteion. From an electrotype of a coin of Syracuse
British Museum, London
(Cf. p. 74)

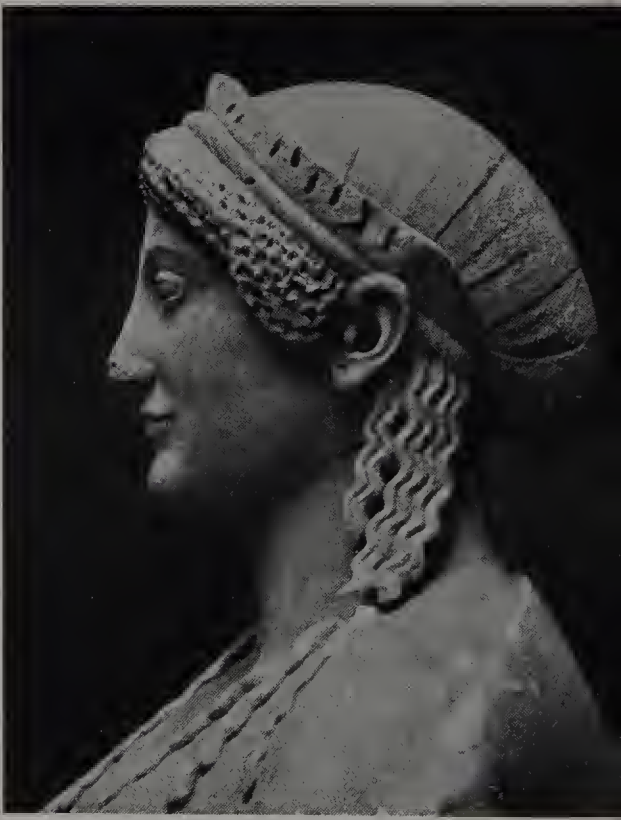


Fig. 161. Head of a seated goddess
Staatliche Museen, Berlin
(Cf. p. 74)

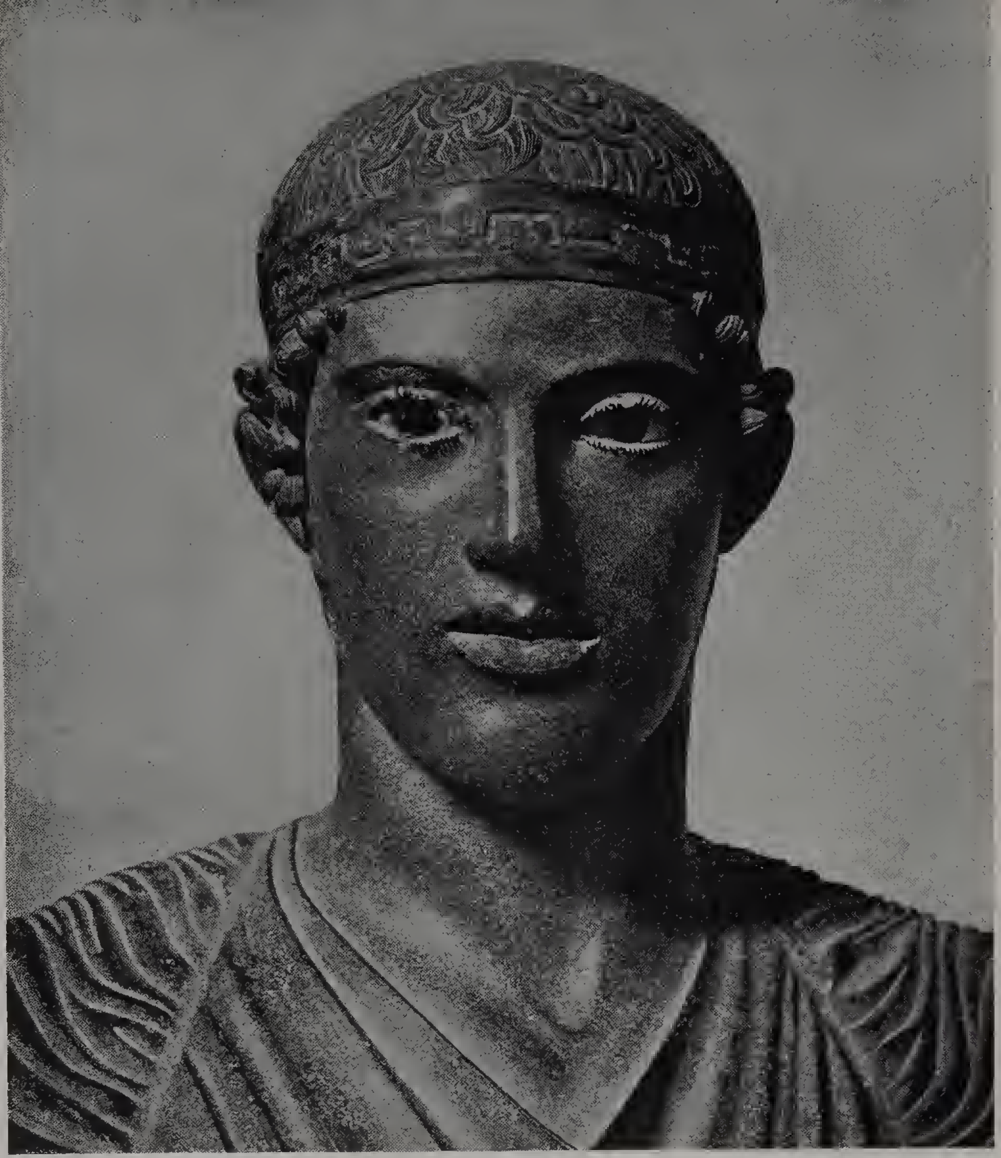


Fig. 162. Head of the bronze statue of a charioteer

Delphi Museum

(Cf. pp. 74, 75)

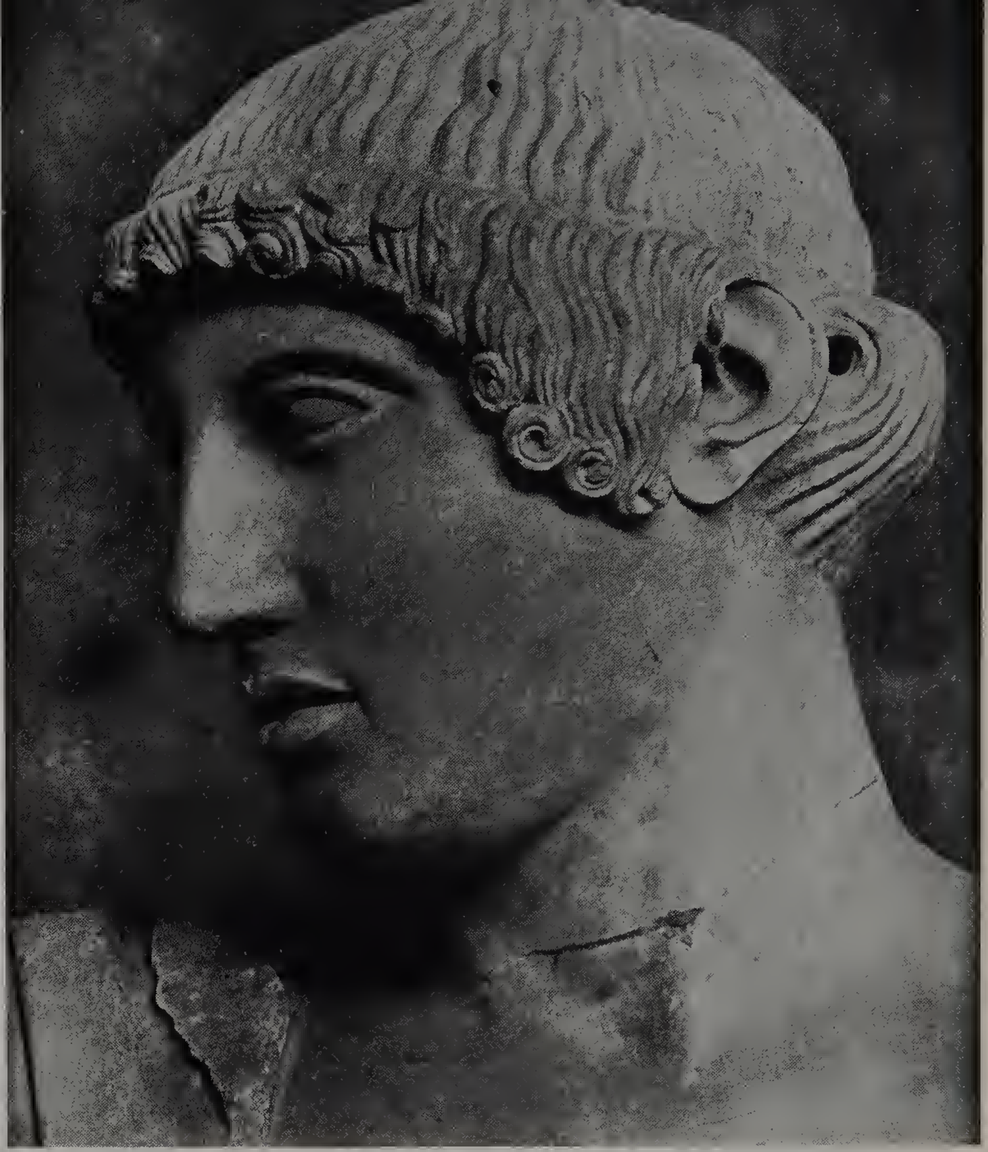


Fig. 163. Head of Apollo, from the western pediment at Olympia

Olympia Museum

(Cf. p. 74)

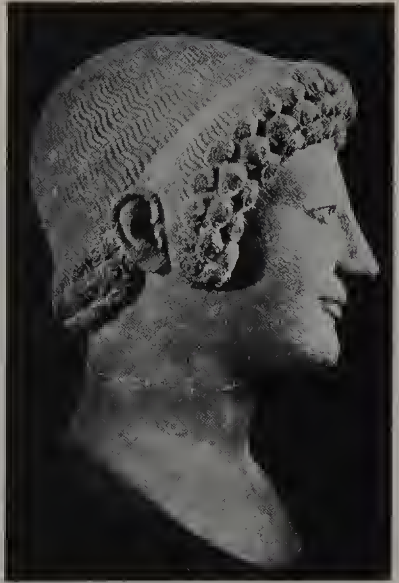


Fig. 164. Head of a youth (from a cast) (cf. p. 74)

Barracco Museum, Rome

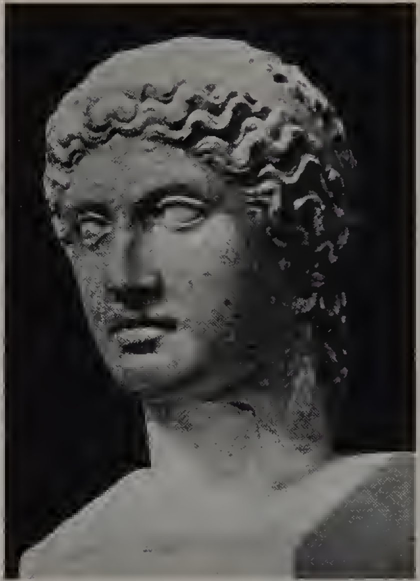
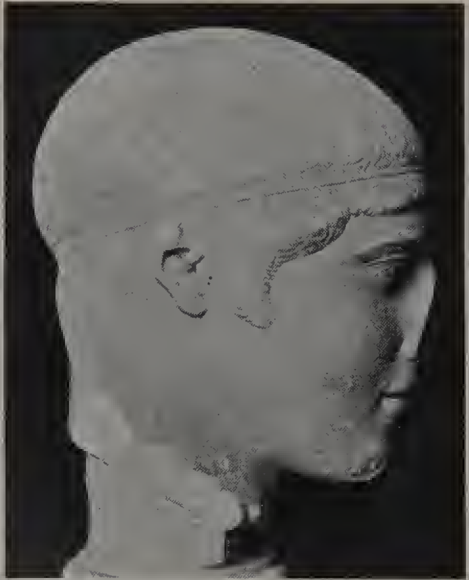


Fig. 165. Head from the Argive Heraion (cf. p. 75)

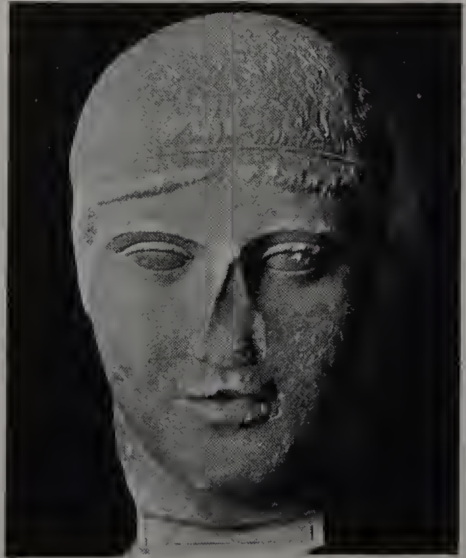
National Museum, Athens



Photograph by Cappellari

Fig. 166. Head of a youth (cf. p. 74)

Museo Bresciano, Brescia



Photograph by Cappellari

Fig. 167. Front view of Fig. 166

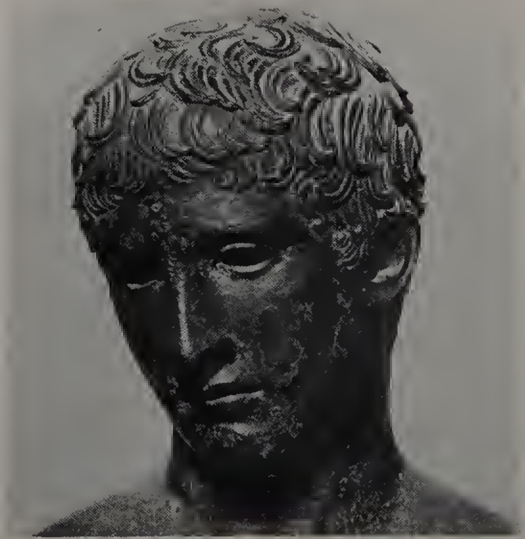


Fig. 168. Head of a bronze statue, the Idolino

Museo Archeologico, Florence

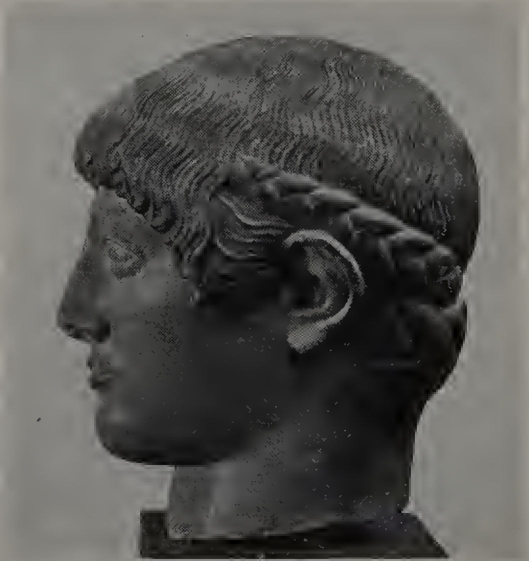


Fig. 169. Head of the "Blond Boy" (from a cast) (cf. p. 74)

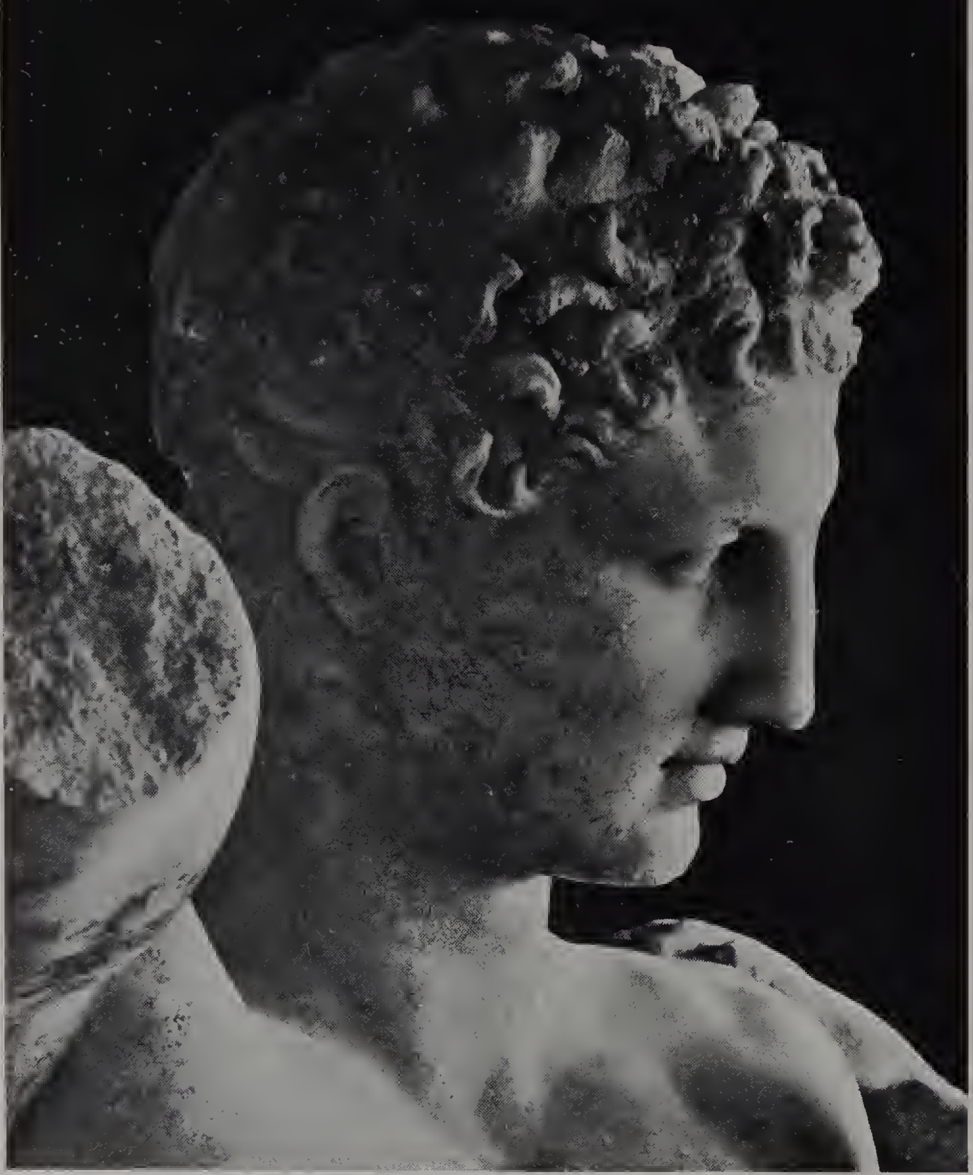


Fig. 170. Head of the Hermes by Praxiteles
Olympia Museum
(Cf. p. 75)

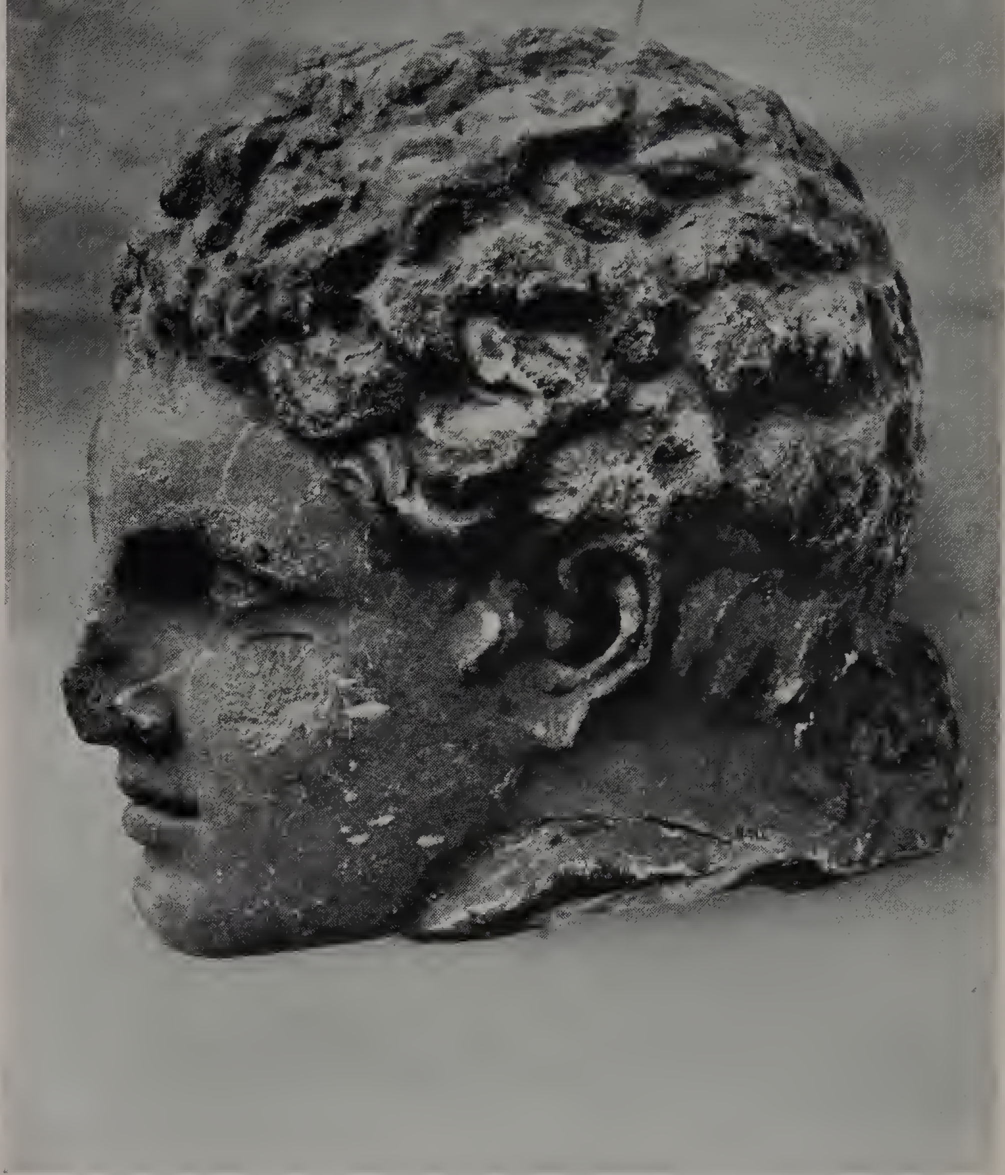


Fig. 171. Head from a relief
Metropolitan Museum of Art
(Cf. p. 75)

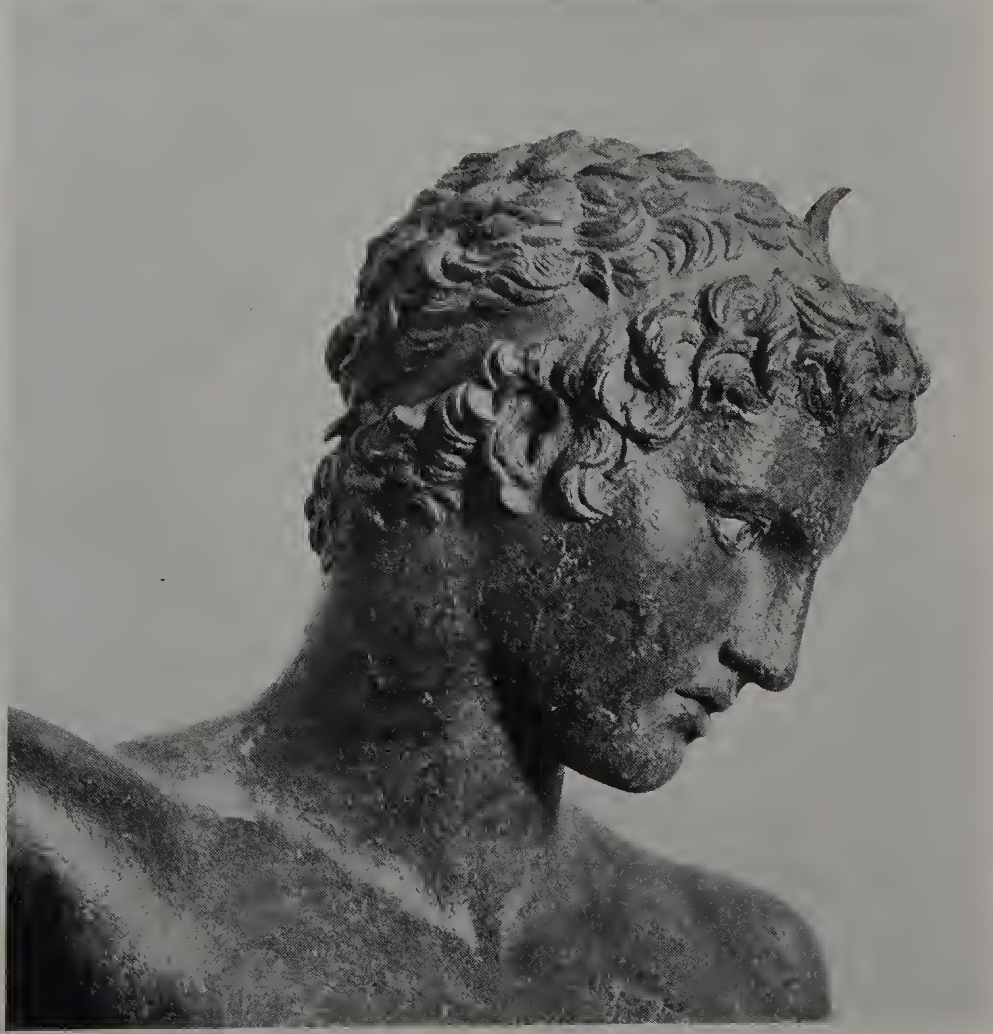


Fig. 172. Head of the bronze statue of a youth, found in the Bay of Marathon
National Museum, Athens
(Cf. p. 75)

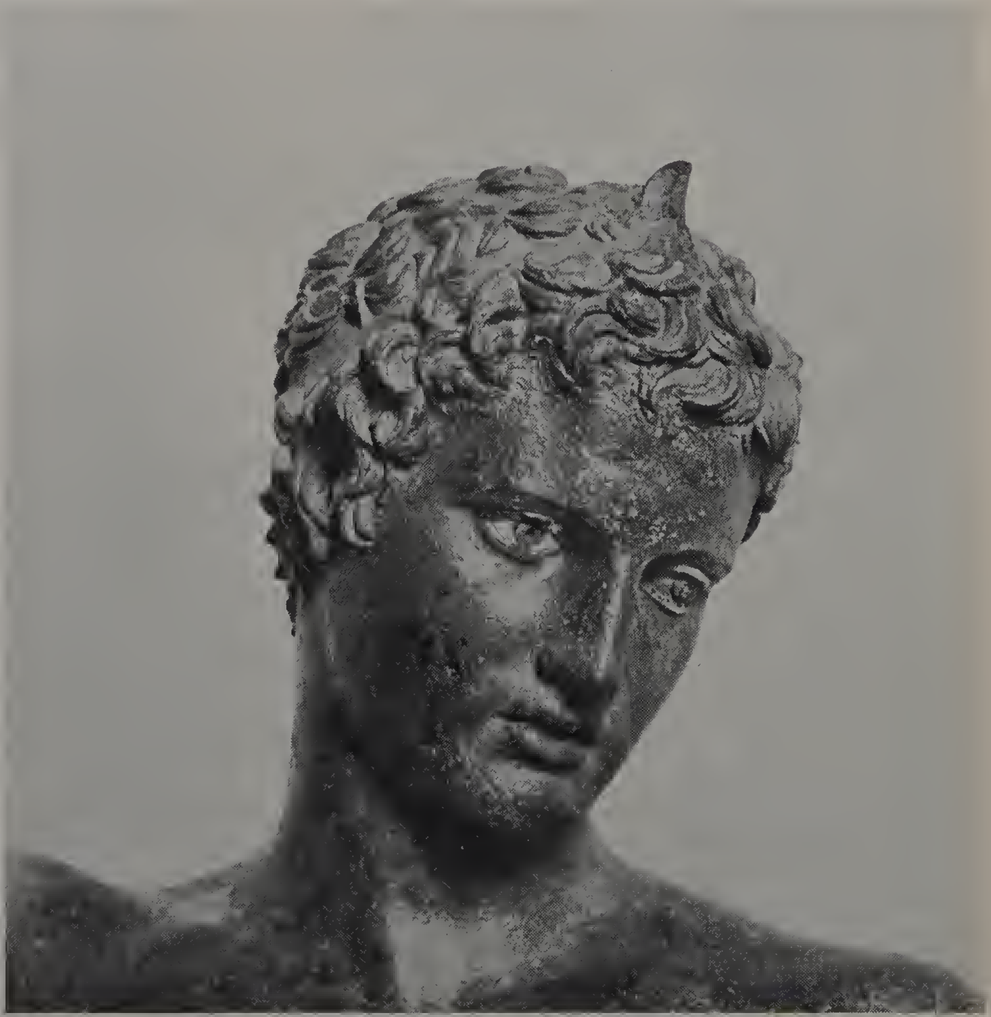


Fig. 173. Three-quarters view of Fig. 172
(Cf. p. 75)

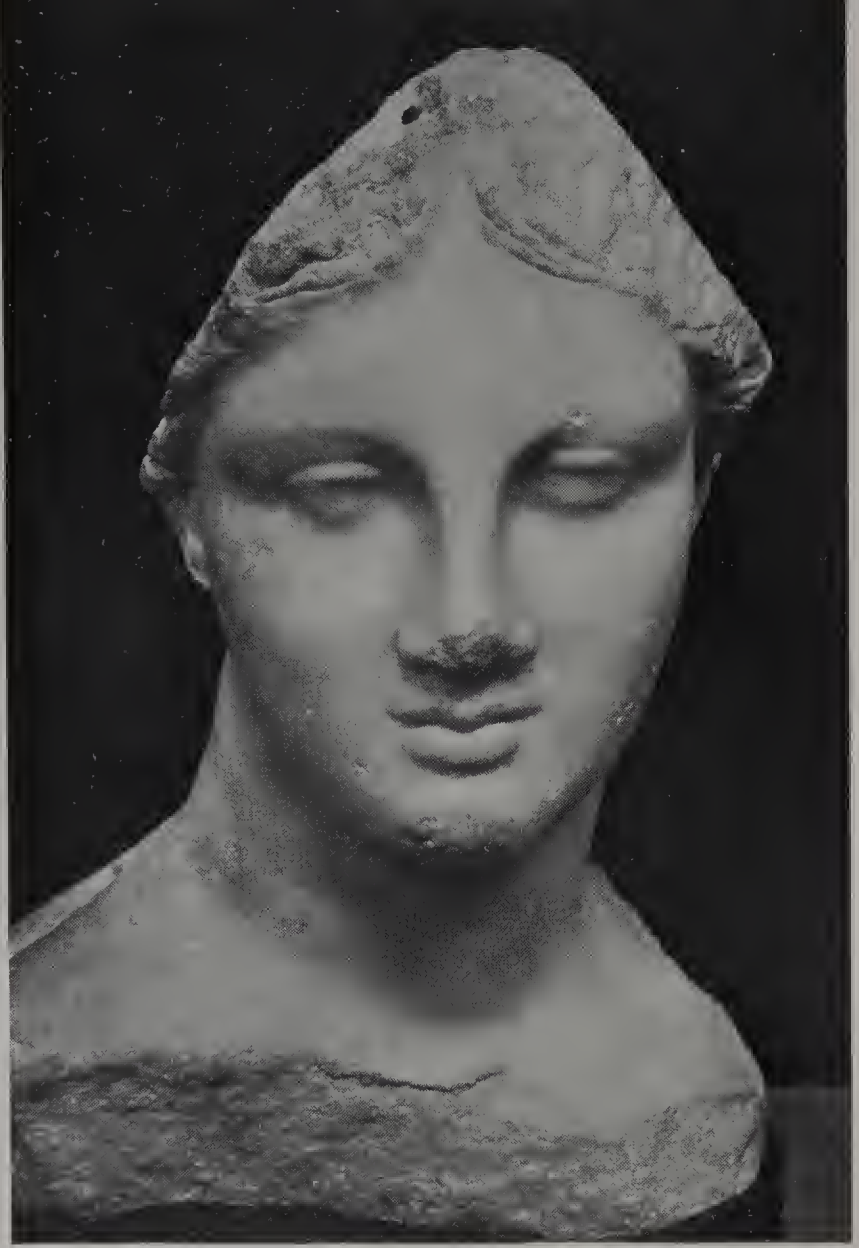


Fig. 174. Head, from Chios
Museum of Fine Arts, Boston
(Cf. pp. 75, 265)

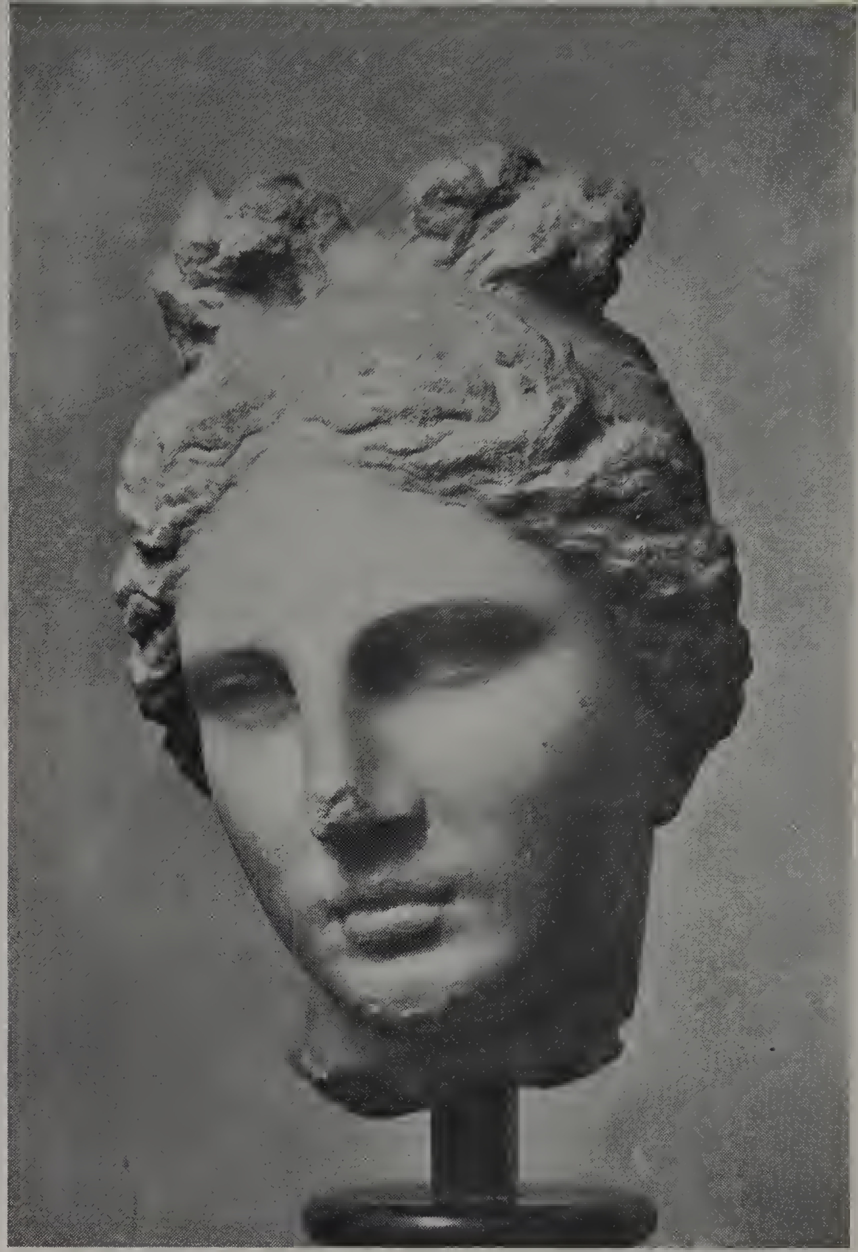


Fig. 175. The "Bartlett head"
Museum of Fine Arts, Boston
(Cf. p. 75)

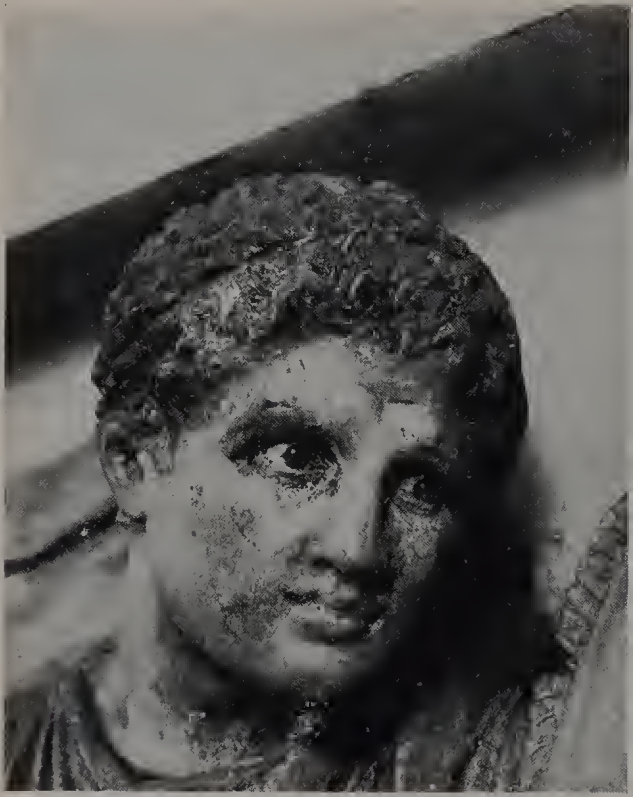


Fig. 176. Head of Alexander, from the "Alexander sarcophagus"
Musées d'Antiquités de Stamboul (Constantinople)
(Cf. p. 76)

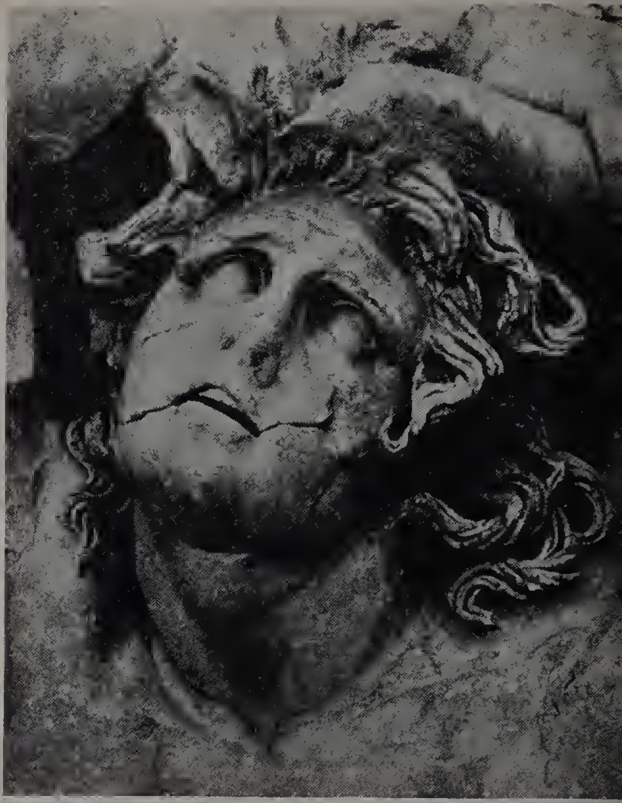
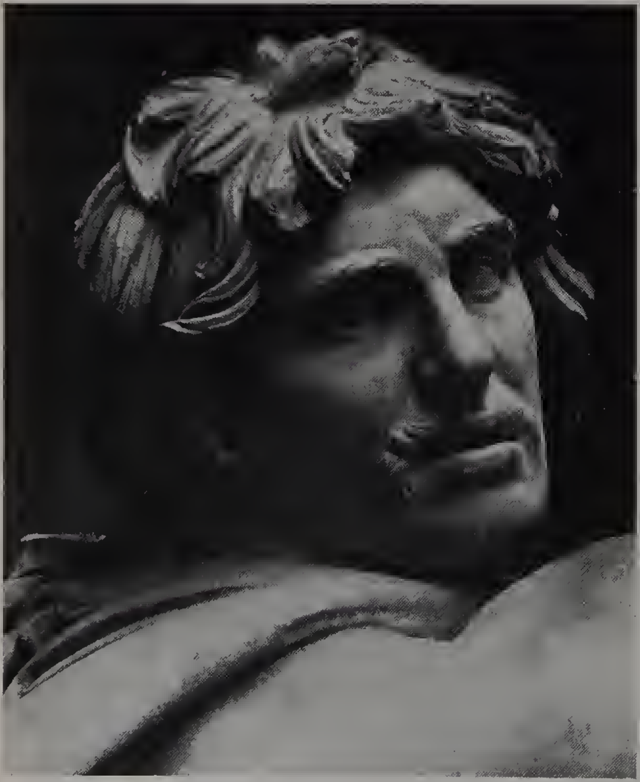


Fig. 177. Head of a giant, from the frieze of the great altar at Pergamon
Pergamon Museum, Berlin
(Cf. p. 76)



Photograph by D. Anderson, Rome

Fig. 178. Head of a Gaul
Museo Nazionale delle Terme, Rome
(Cf. pp. 14, 76)

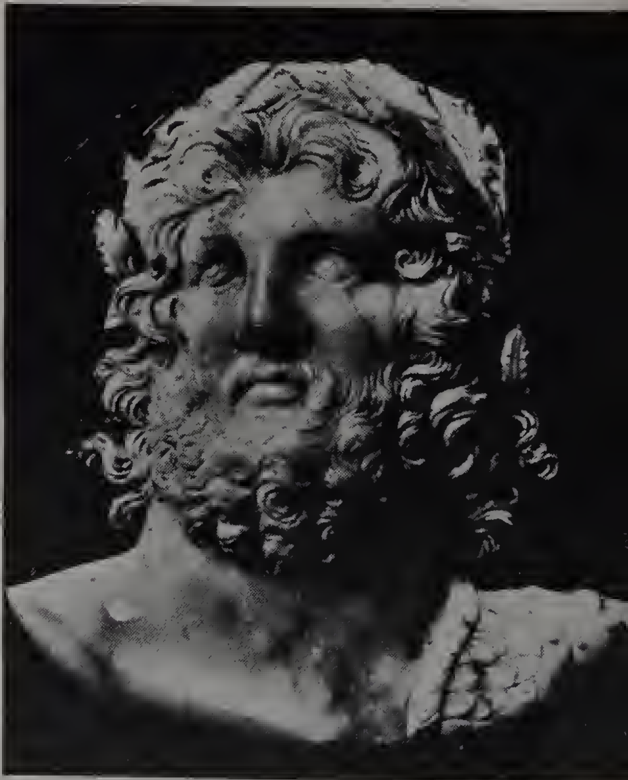


Fig. 179. Head of Zeus, on a cameo
Museo Archeologico, Venice
(Cf. p. 76)

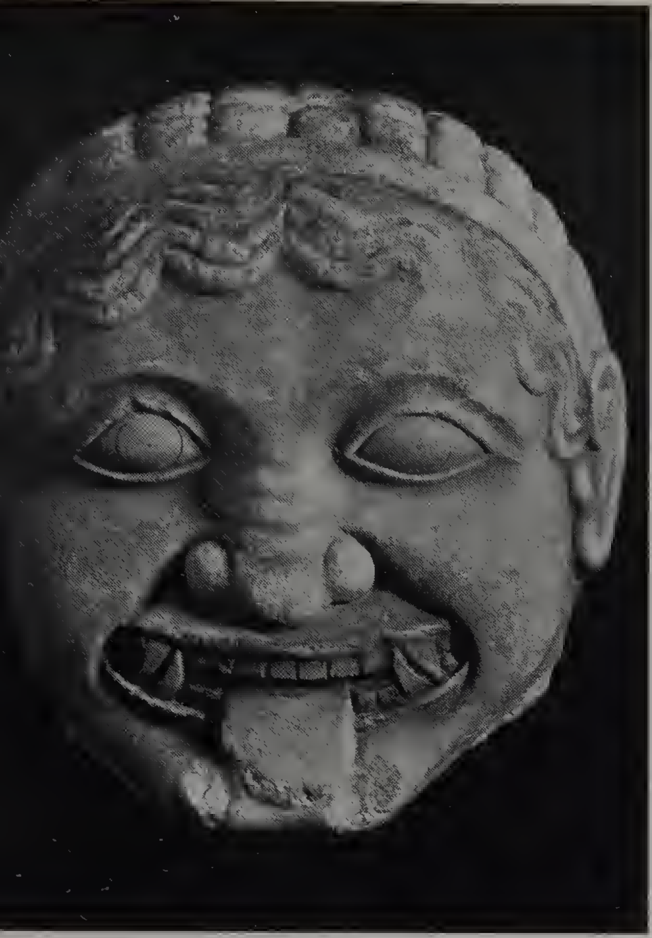


Fig. 180. Head of Medusa
Akropolis Museum, Athens
(Cf. p. 77)

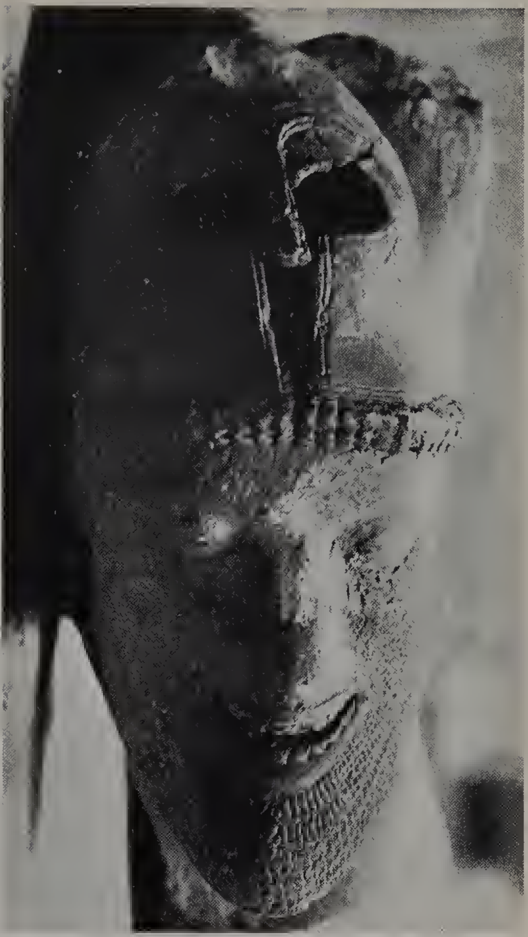


Fig. 181. Head of a giant, from a metope of temple F at Selinus (Cf. p. 77)
Museo Nazionale, Palermo

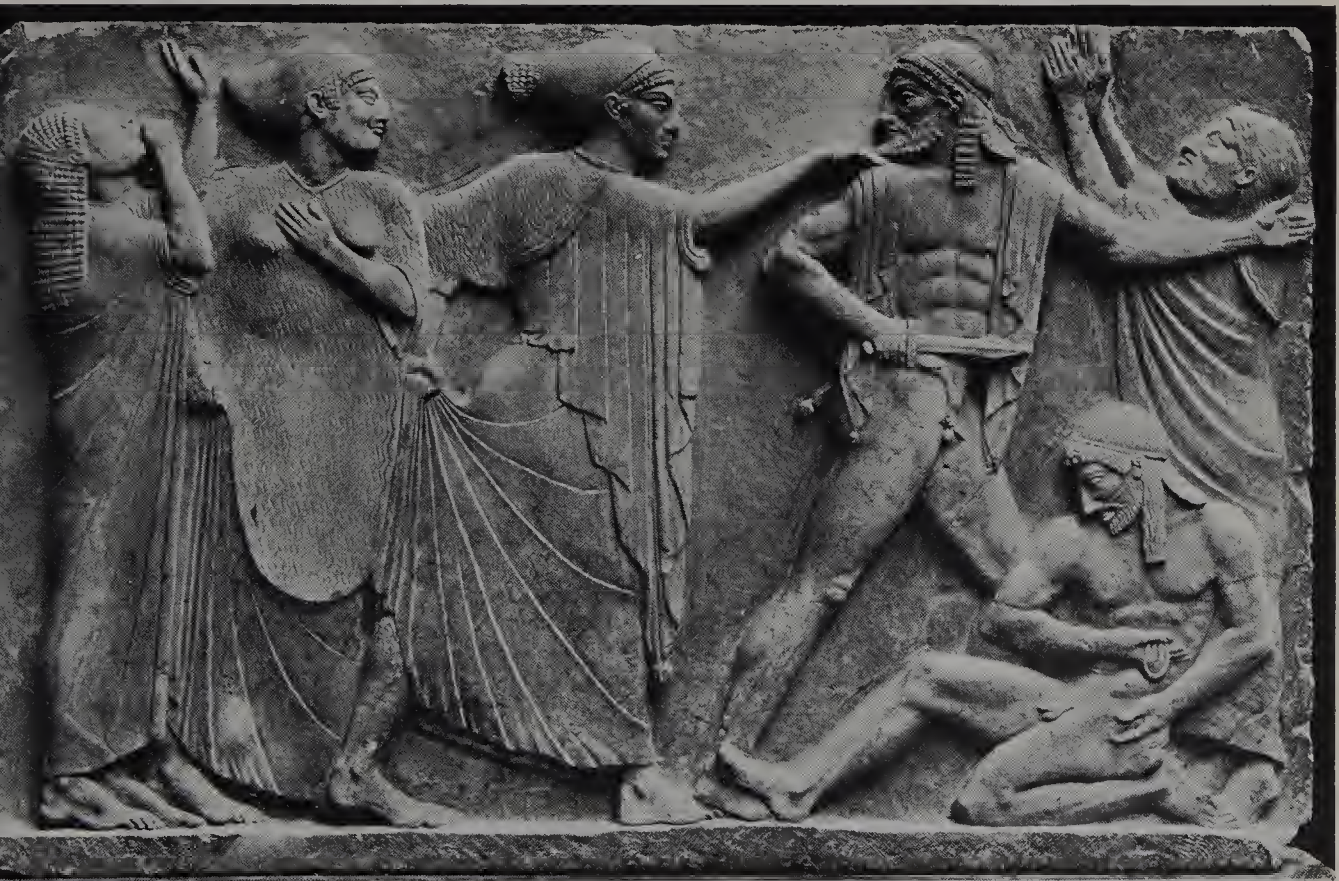


Fig. 182. Death of Aigisthos, relief (cf. p. 77)
Glyptotek Ny Carlsberg, Copenhagen

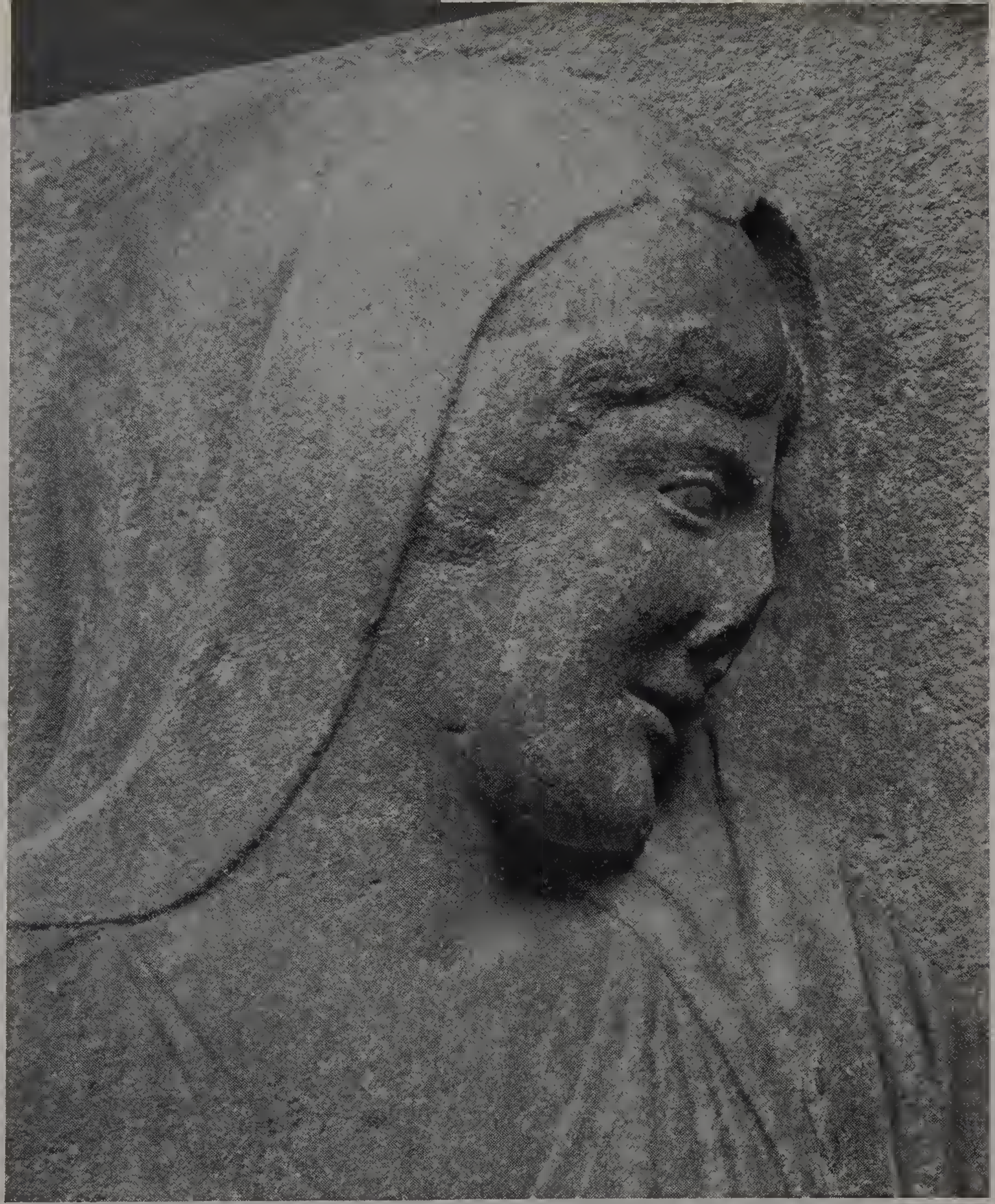


Fig. 183. Head of a rejoicing woman, from a relief
Museum of Fine Arts, Boston
(Cf. p. 77)

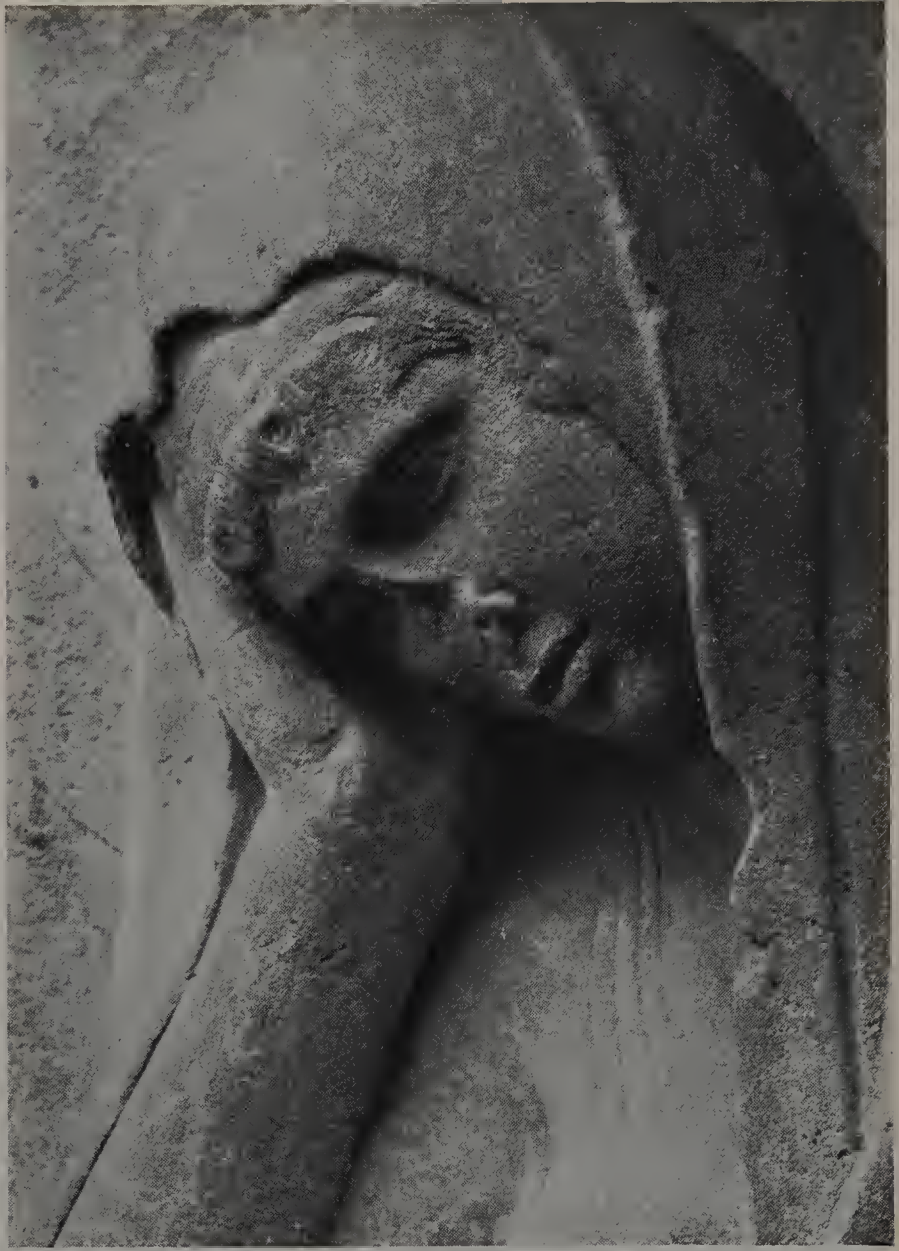


Fig. 184. Head of a mourning woman, from a relief
Museum of Fine Arts, Boston
(Cf. p. 77)

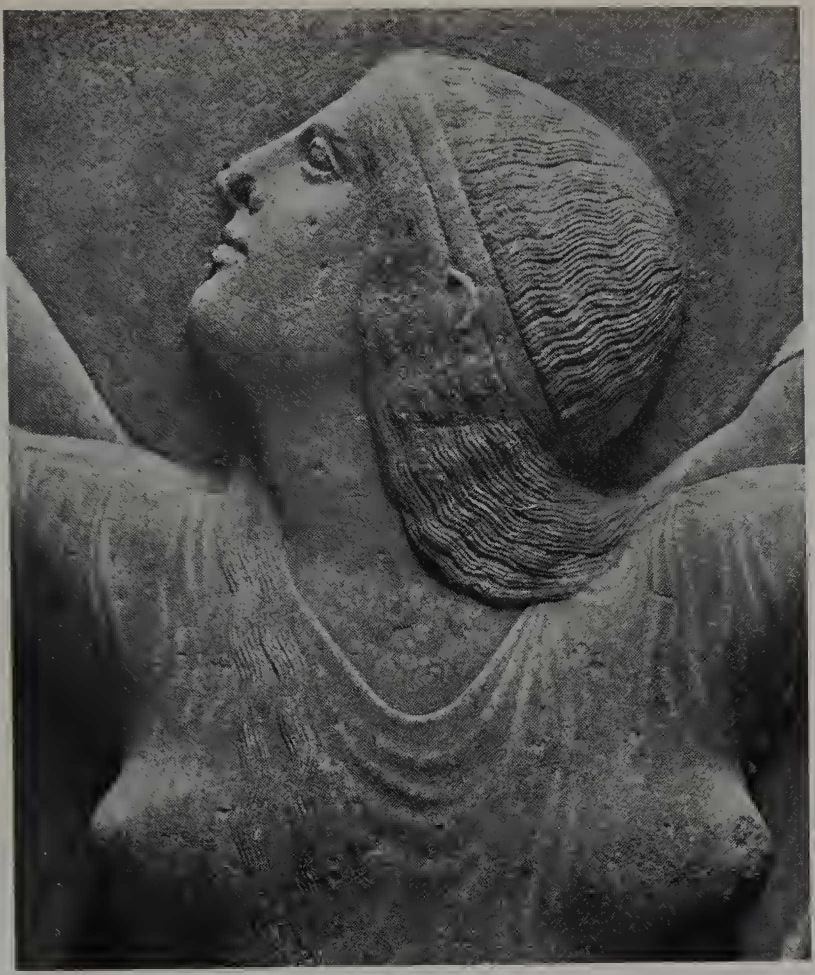


Fig. 185. Head of Aphrodite (?), from a relief
Museo Nazionale delle Terme, Rome
(Cf. p. 77)

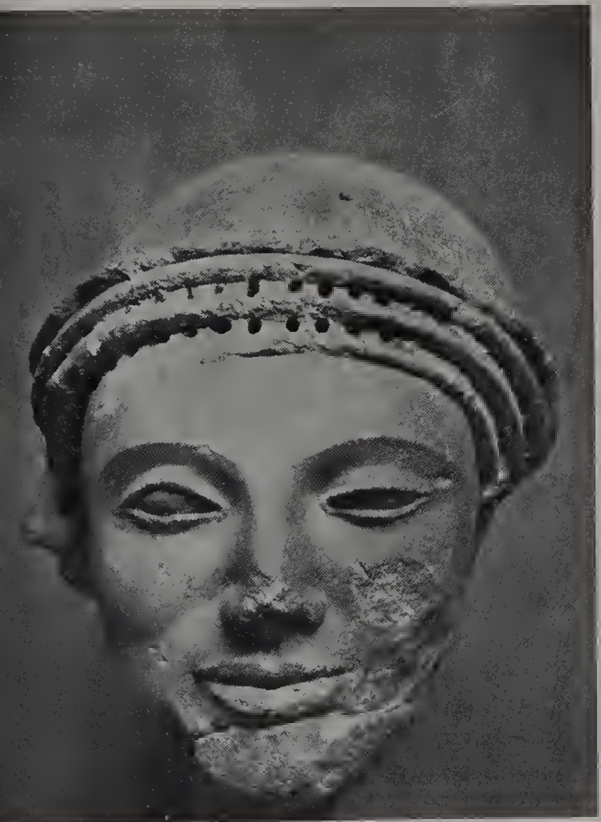


Fig. 186. Head of a dying warrior, from the eastern pediment at Aigina
The Glyptothek, Munich
(Cf. p. 77)

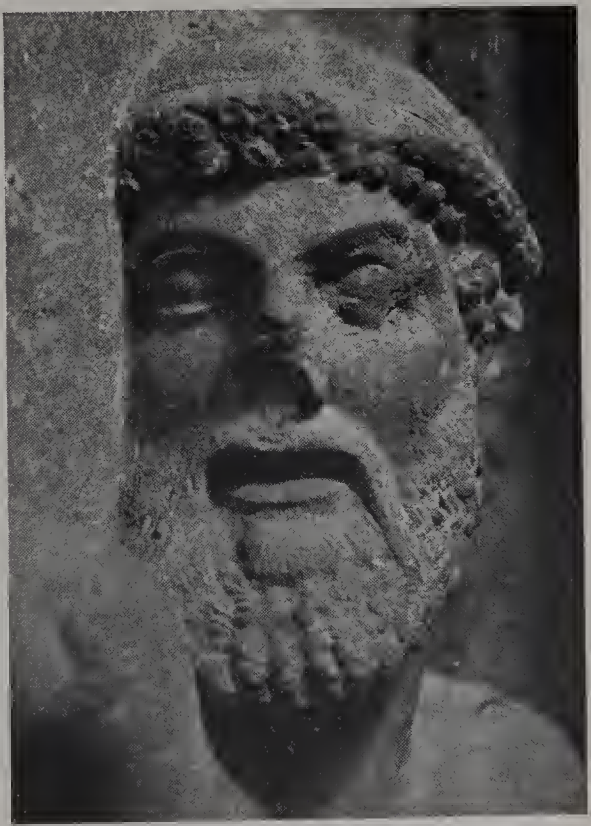


Fig. 187. Head of Zeus, from a metope of temple E at Selinus
Museo Nazionale, Palermo
(Cf. p. 77)

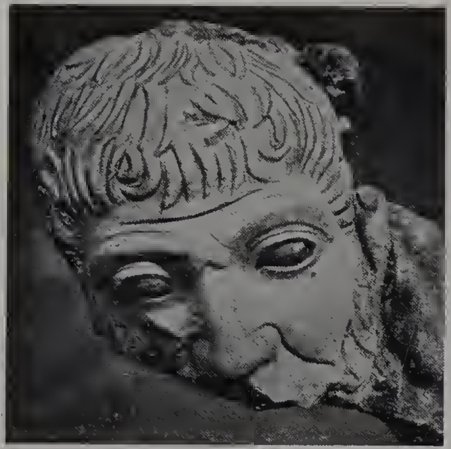


Fig. 188. Head of a Centaur, from the western pediment at Olympia

Olympia Museum

(Cf. p. 78)

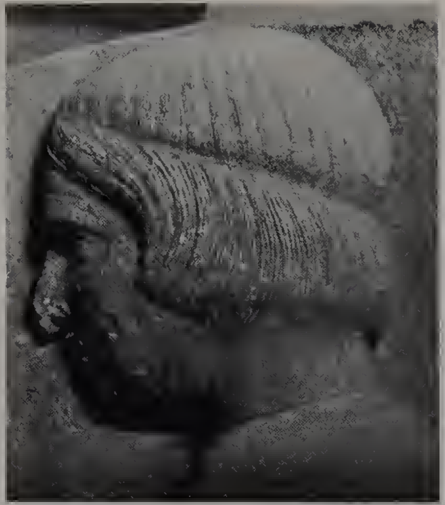


Fig. 189. Head of an old woman from a relief

Museum of Fine Arts, Boston

(Cf. p. 78)

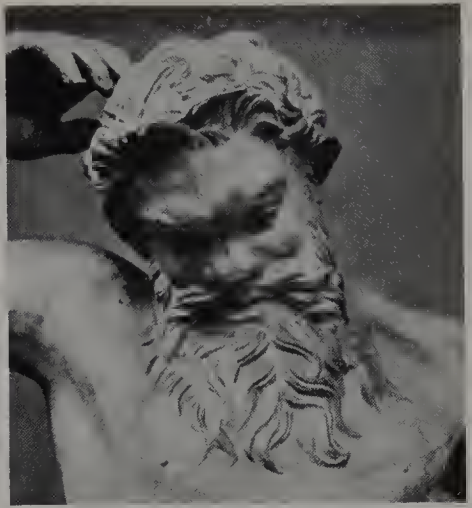


Fig. 190. Head of Marsyas (from a cast)

British Museum, London

(Cf. p. 78)

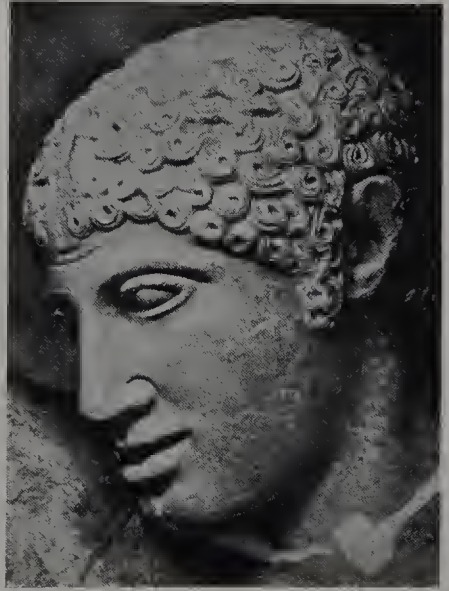


Fig. 191. Head of a Lapith, from the western pediment at Olympia

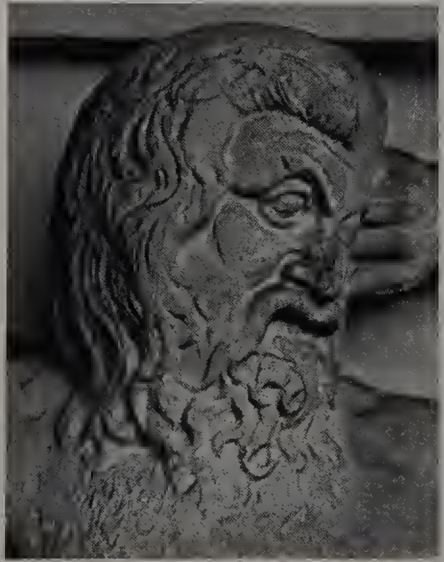


Fig. 192. Head of a Centaur, from a Parthenon metope (from a cast)

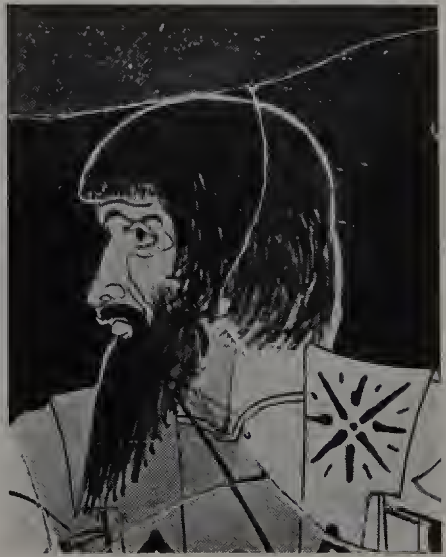


Fig. 193. Head of an old warrior from a krater

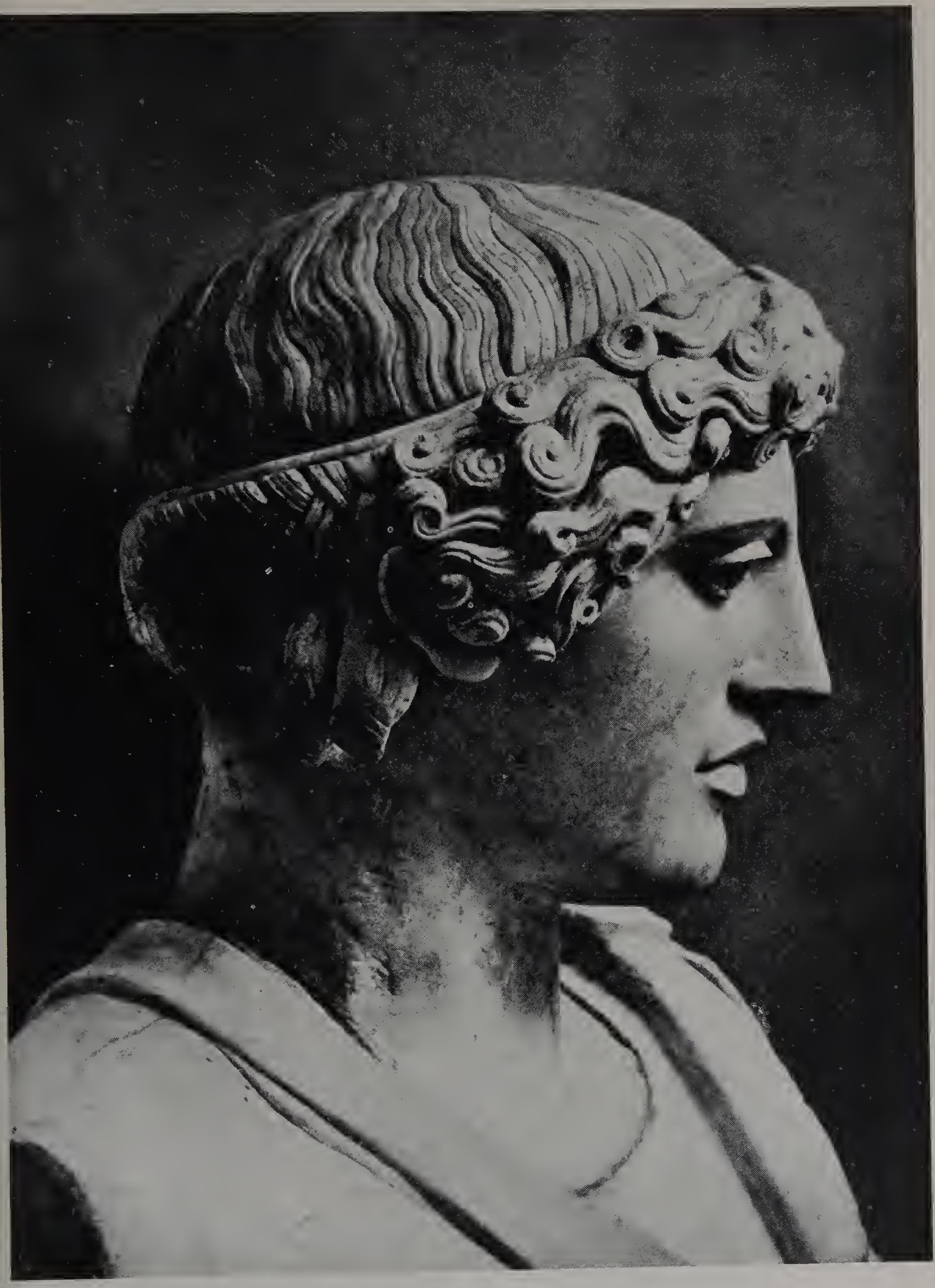


Fig. 194. Head of a statue of the type of the "Cassel Apollo"
Palazzo Vecchio, Florence
(Cf. p. 79)

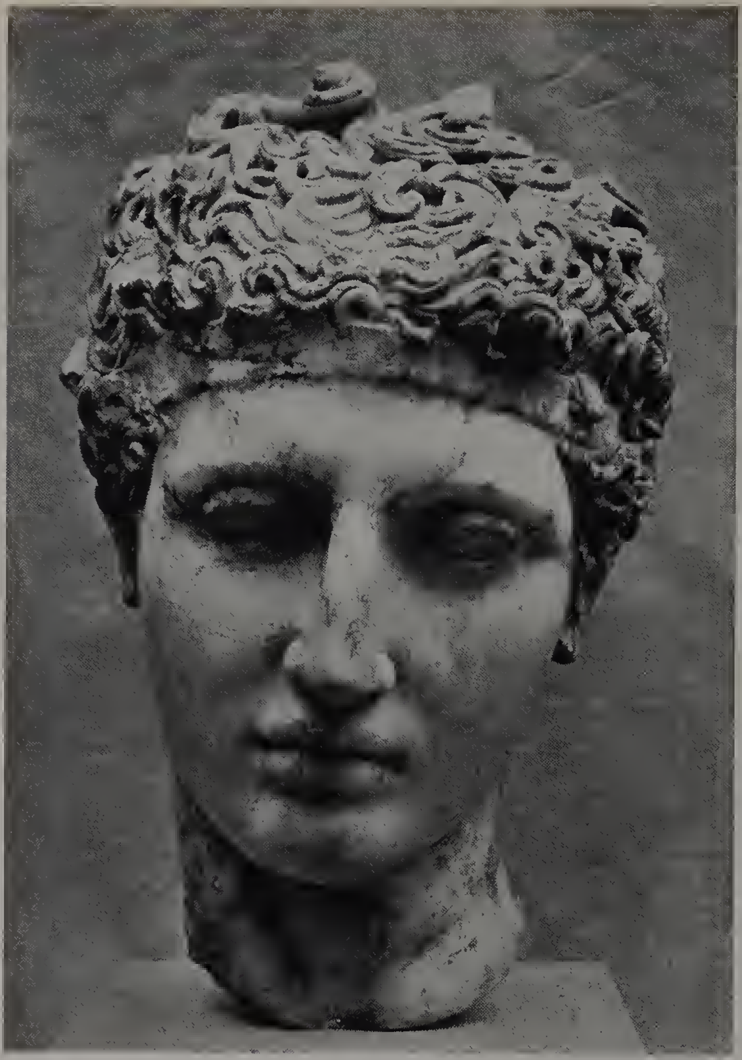


Fig. 195. Head of an athlete (cf. p. 79)

Metropolitan Museum of Art

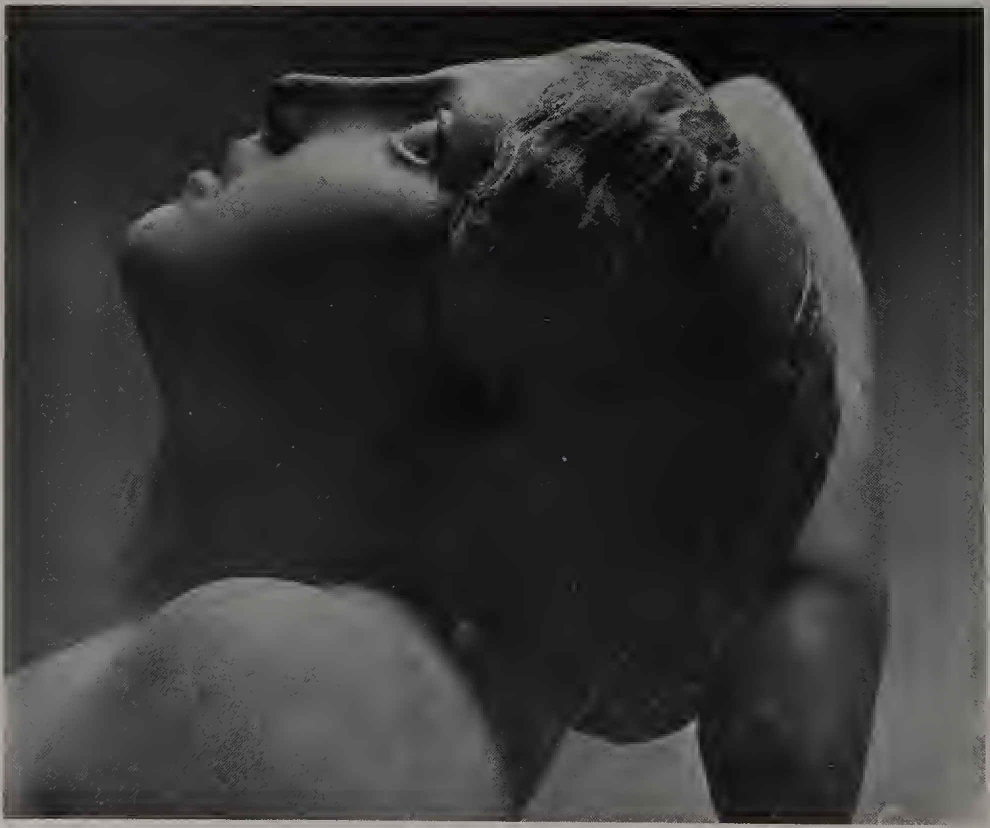


Fig. 196. Head of the Niobid (cf. p. 79)

Museo Nazionale delle Terme, Rome

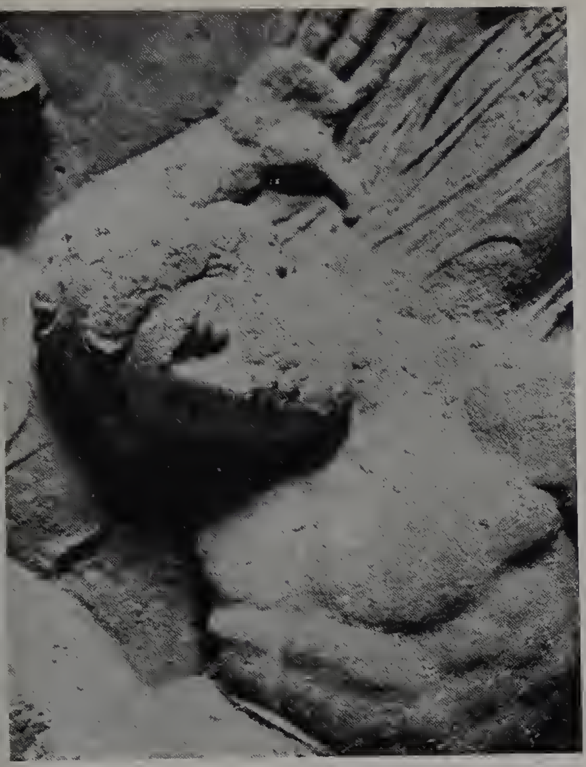


Fig. 197. Head of a collapsing Greek, from the Phigaleia frieze

British Museum, London

(Cf. p. 79)

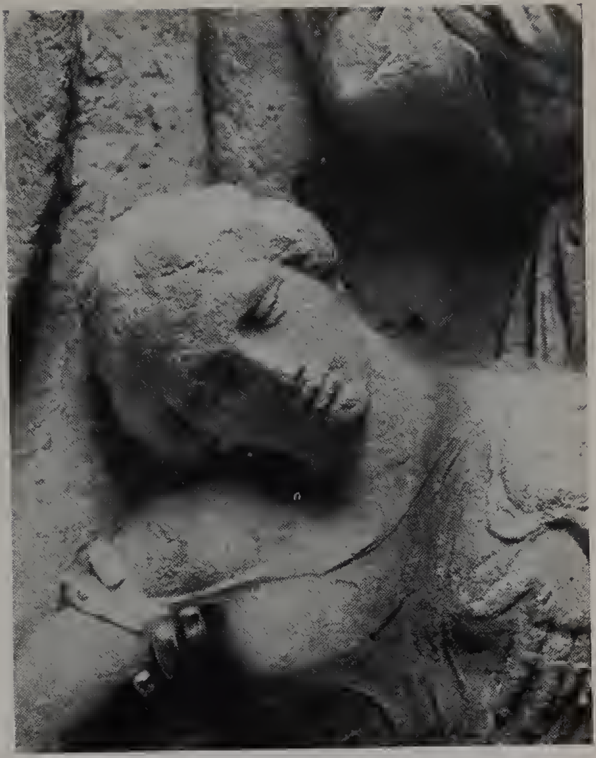


Fig. 198. Head of a dying Amazon, from the Phigaleia frieze

British Museum, London

(Cf. p. 79)

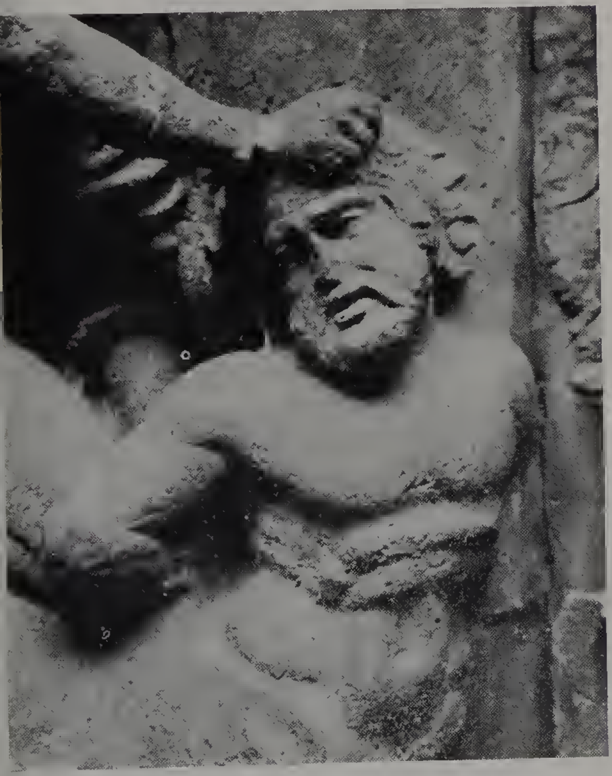


Fig. 199. Head of a Centaur, from the Phigaleia frieze

British Museum, London

(Cf. p. 79)

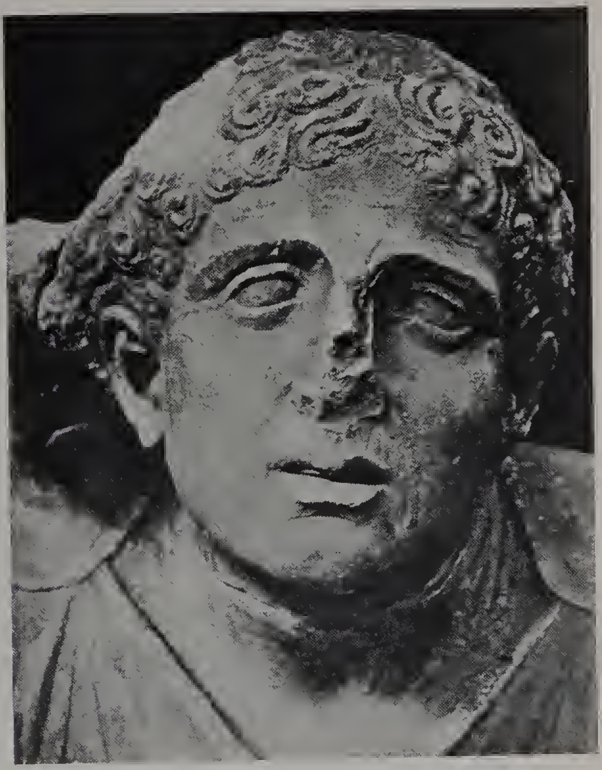


Fig. 200. Head of a woman, from the western pediment at Olympia

Olympia Museum

(Cf. pp. 79, 224)

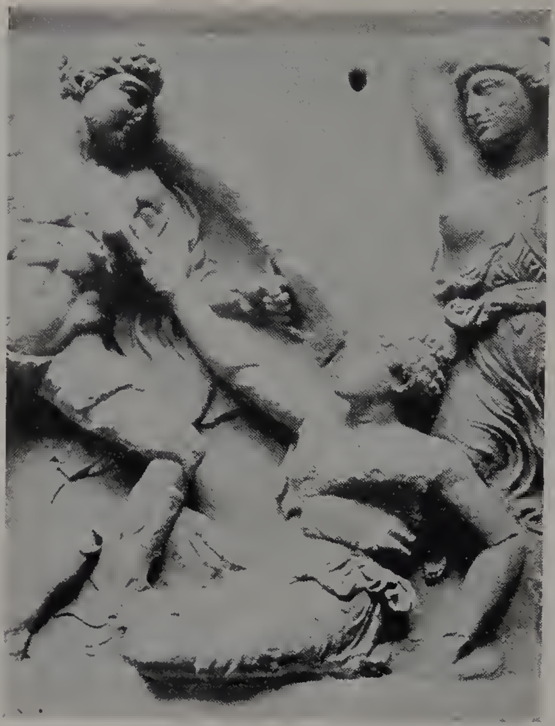


Fig. 201. Entreating Amazon, from the Phigaleia frieze

British Museum, London

(Cf. pp. 80, 172)

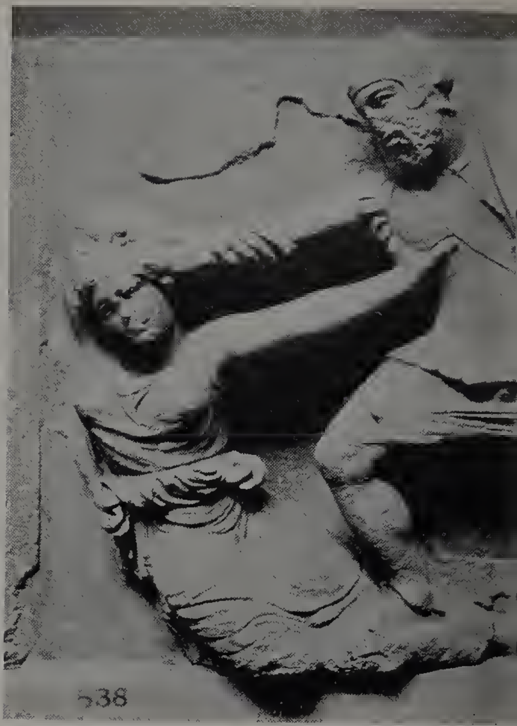


Fig. 202. Amazon defending herself, fro the Phigaleia frieze

British Museum, London

(Cf. pp. 80, 172)

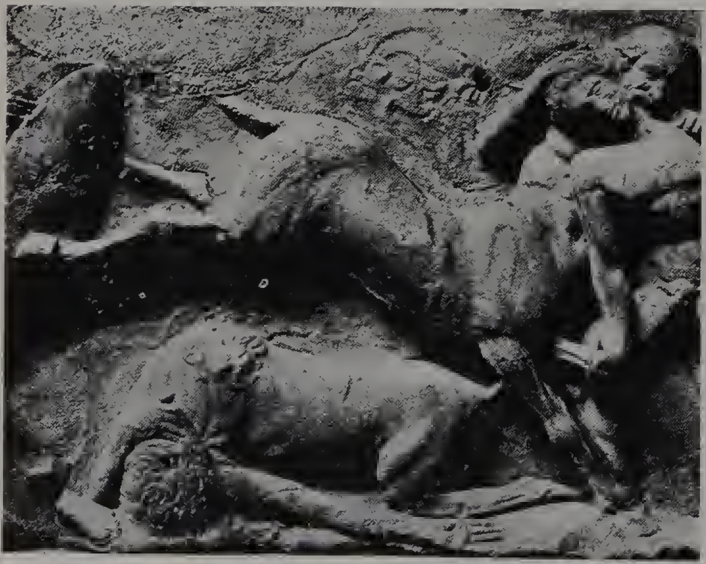


Fig. 203. Fallen Centaur, from the Phigaleia frieze

British Museum, London

(Cf. pp. 80, 172)

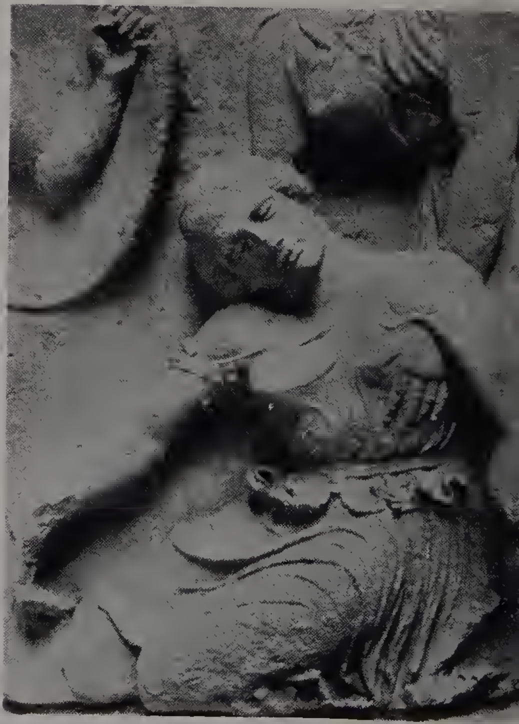


Fig. 204. Dying Amazon, from the Phigaleia frieze

British Museum, London

(Cf. p. 80)

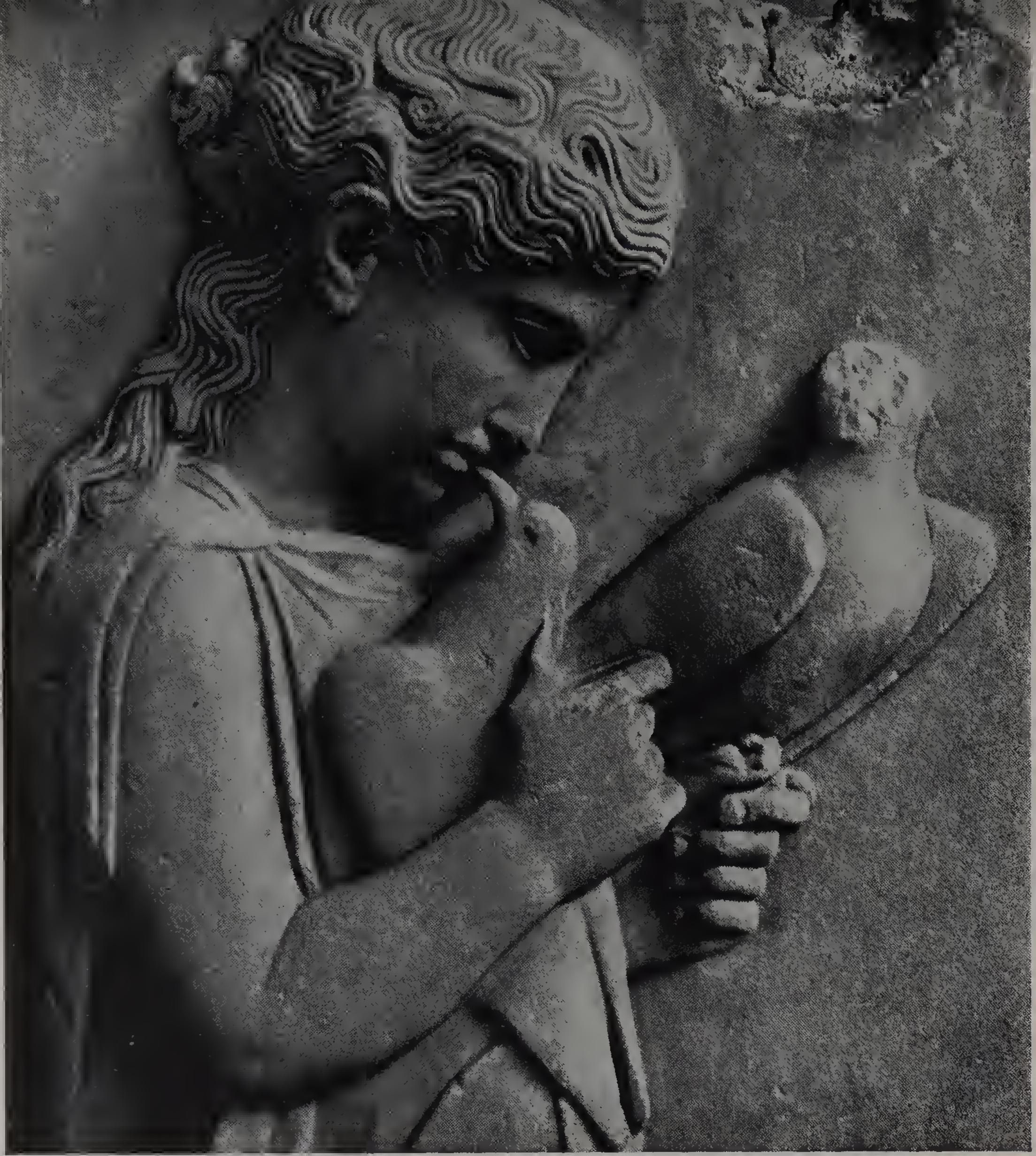


Fig. 205. Detail of a stele of a girl with pigeons
Metropolitan Museum of Art
(Cf. p. 80)

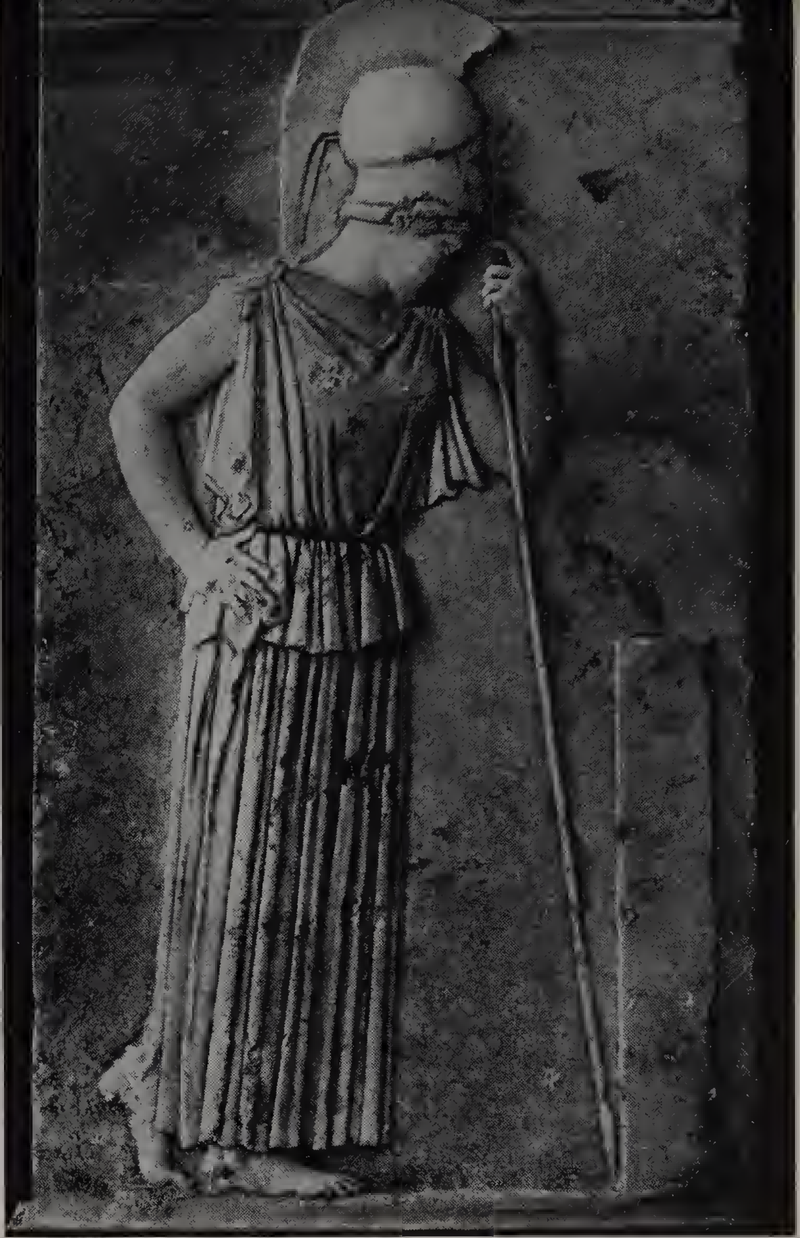


Fig. 206. "Mourning Athena"
Akropolis Museum, Athens
(Cf. p. 80)

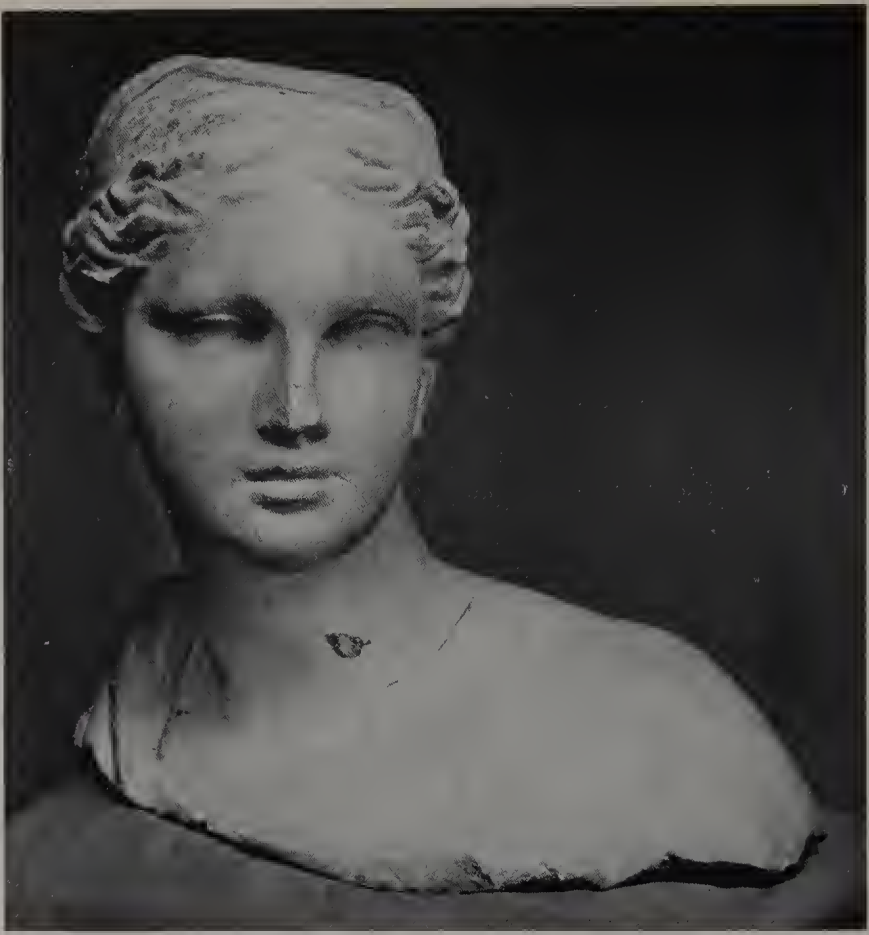


Fig. 207. Head of a girl (cf. p. 81)

Henry Goldman Collection, New York

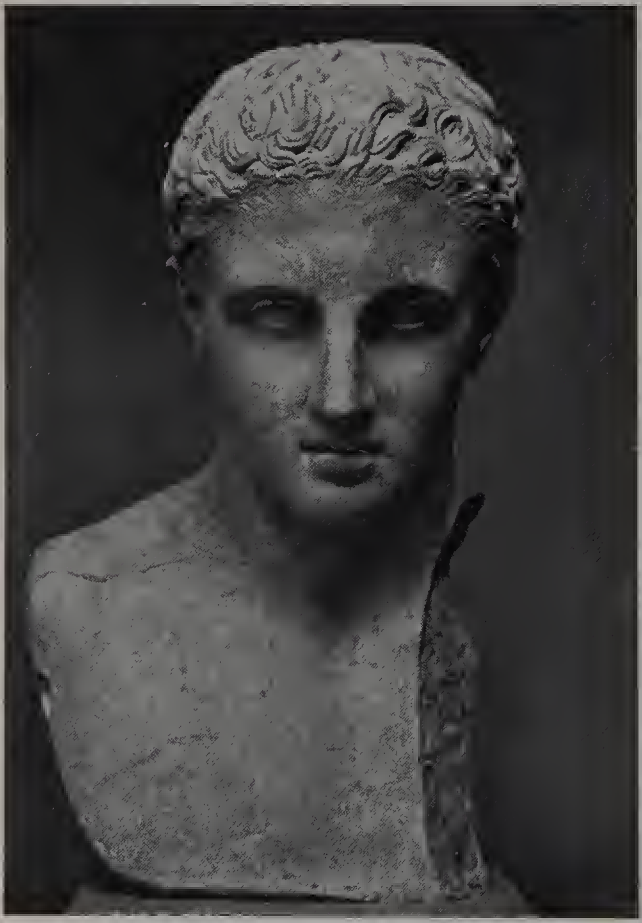


Fig. 208. Head of an athlete

Metropolitan Museum of Art

(Cf. p. 81)

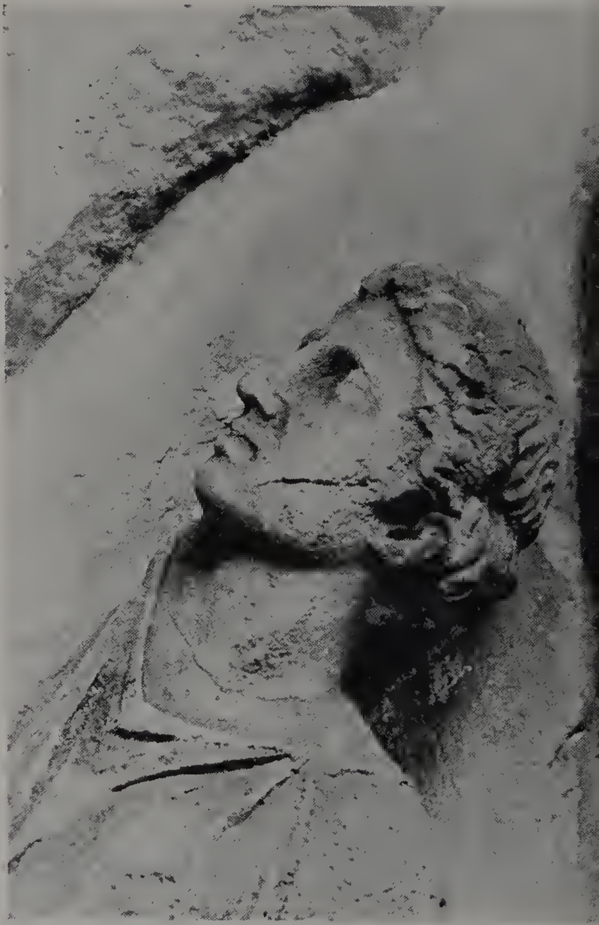


Fig. 209. Head of an Amazon, from the Mausoleum frieze (cf. p. 81)

British Museum, London

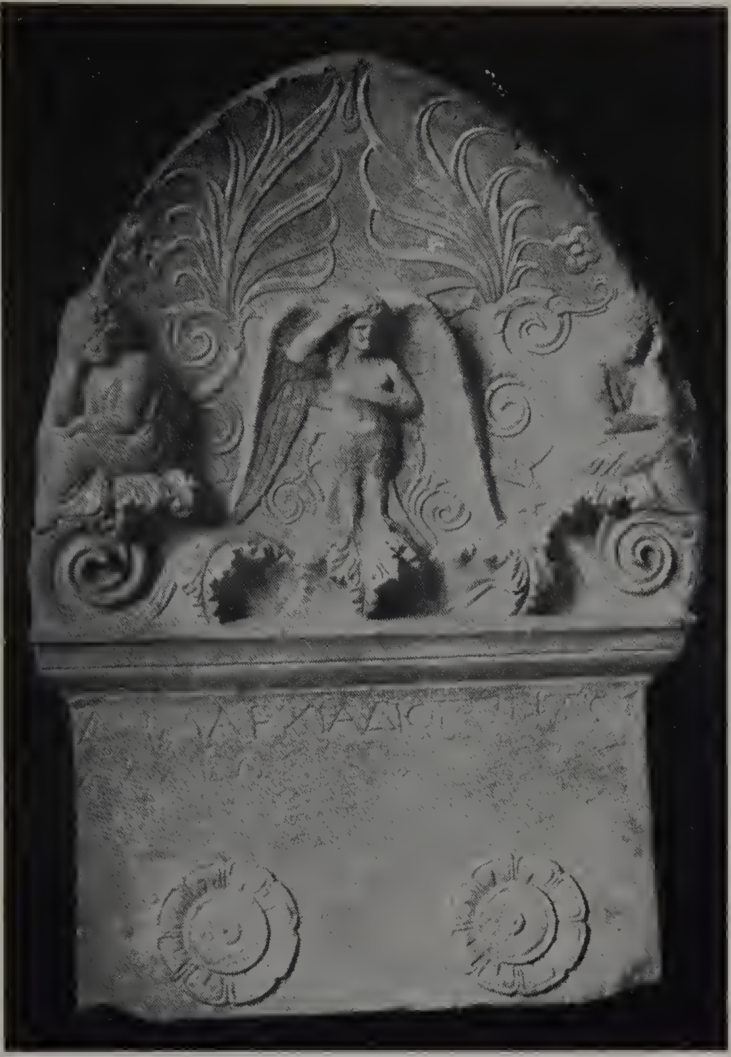


Fig. 210. Upper part of a stele

Staatliche Museen, Berlin

(Cf. p. 80)

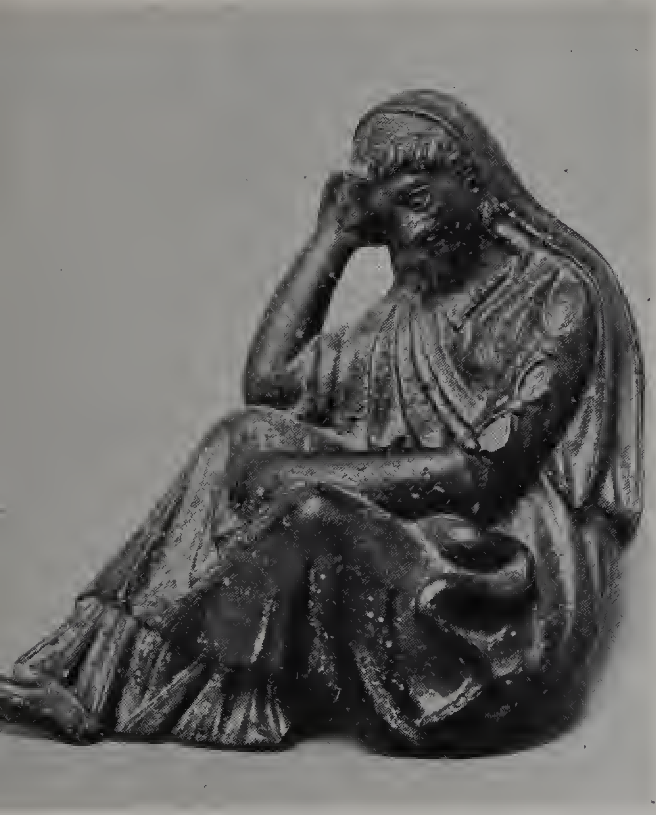


Fig. 211. Bronze statuette of a mourning woman

Staatliche Museen, Berlin

(Cf. p. 80)

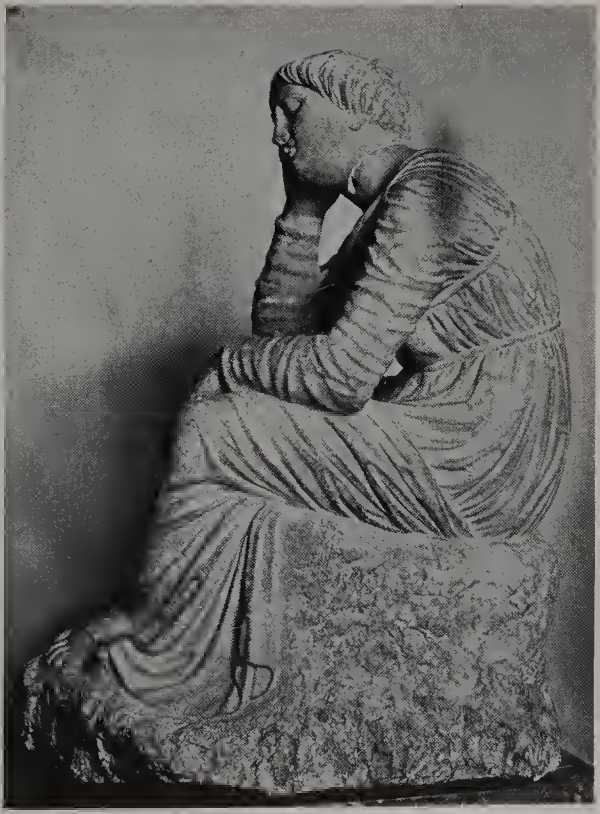


Fig. 212. Mourning woman, from Attica

Staatliche Museen, Berlin

(Cf. p. 80)

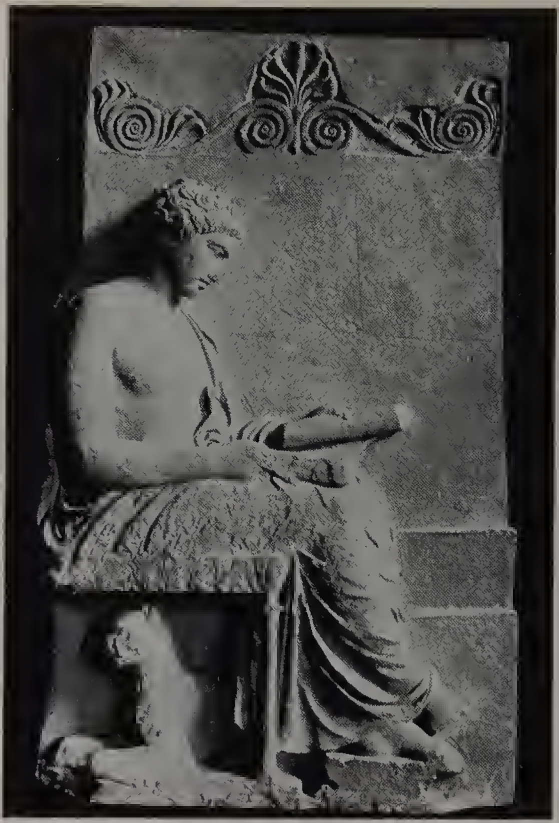


Fig. 213. Stele of a youth reading (from a cast)

Grottaferrata

(Cf. p. 81)

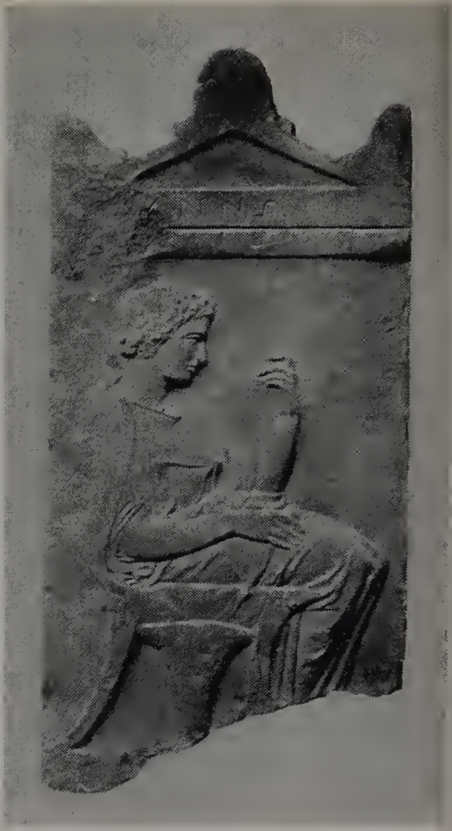


Fig. 214. Girl spinning, stele of Mynno

Staatliche Museen, Berlin

(Cf. p. 82)

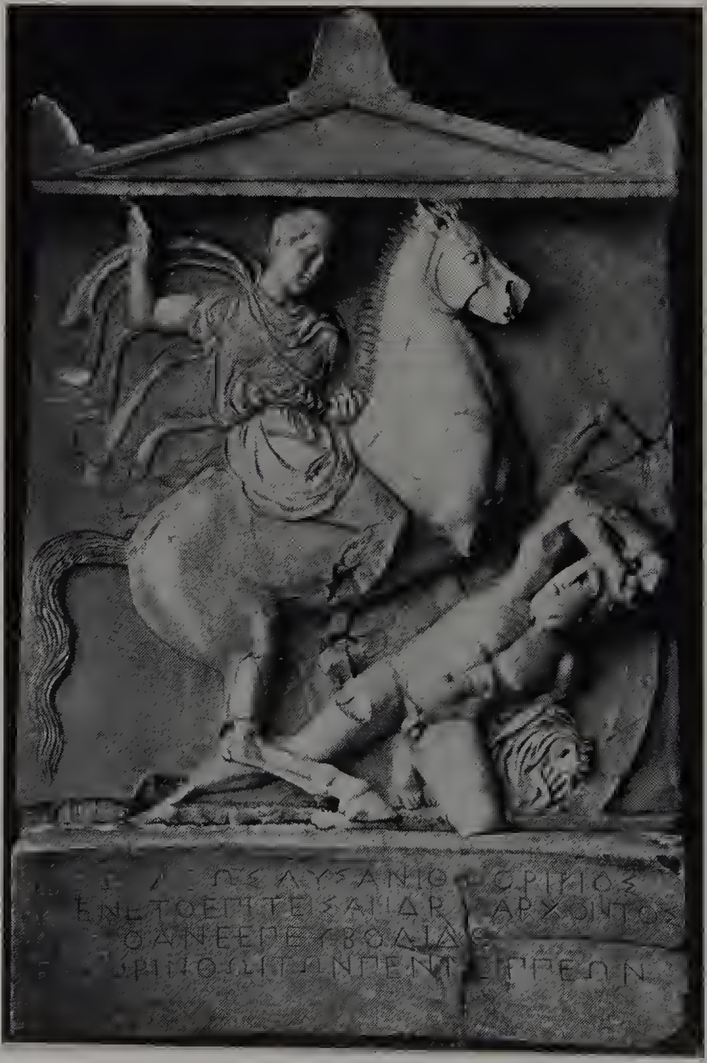


Fig. 215. Stele of Dexileos

Kerameikos, Athens

(Cf. p. 81)

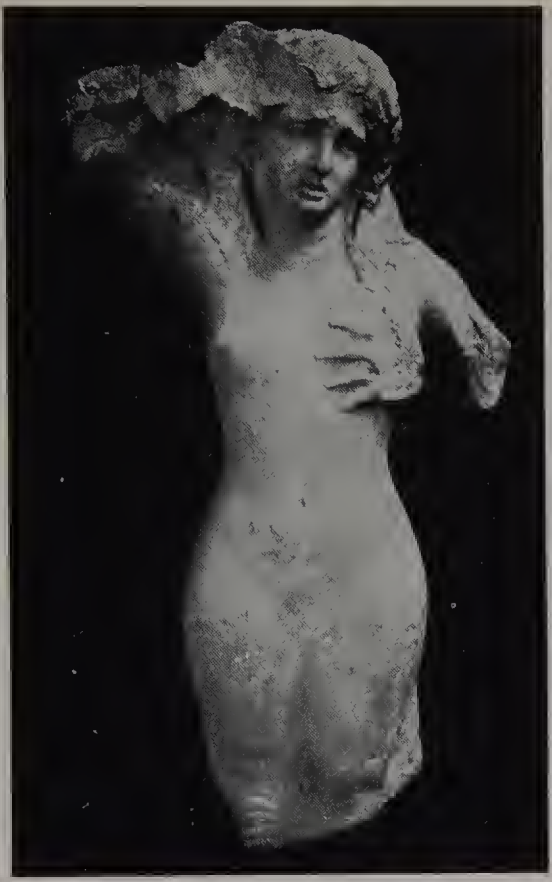


Fig. 216. Weeping siren

Museum of Fine Arts, Boston

(Cf. p. 82)

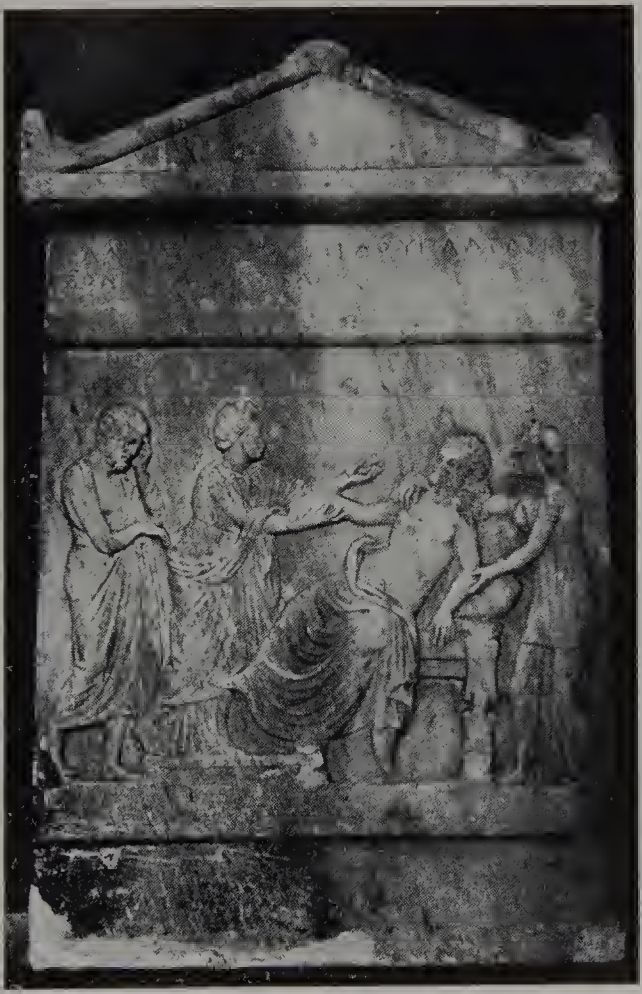


Fig. 217. Stele of Plangon

National Museum, Athens

(Cf. p. 82)

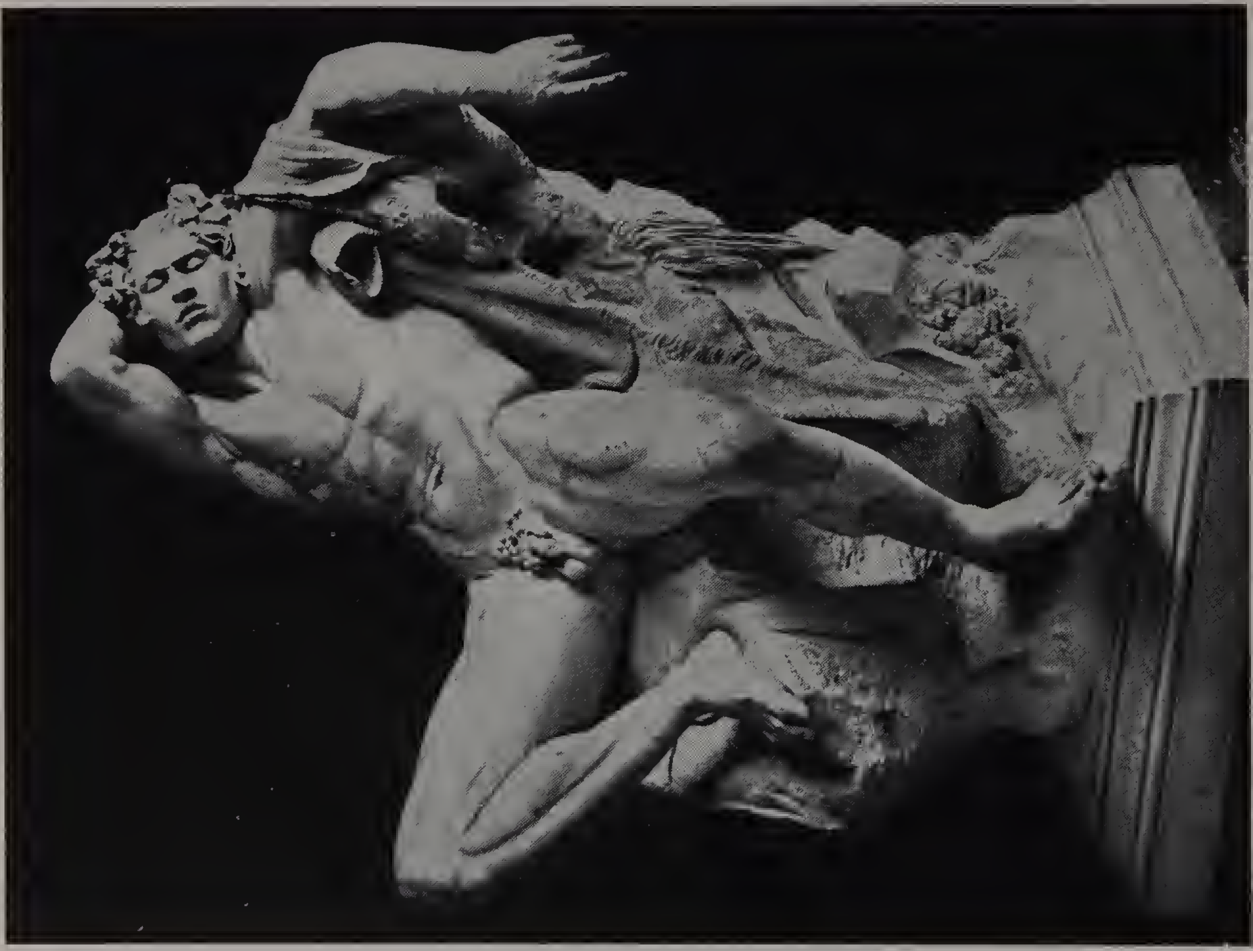


Fig. 218. Sleeping Satyr

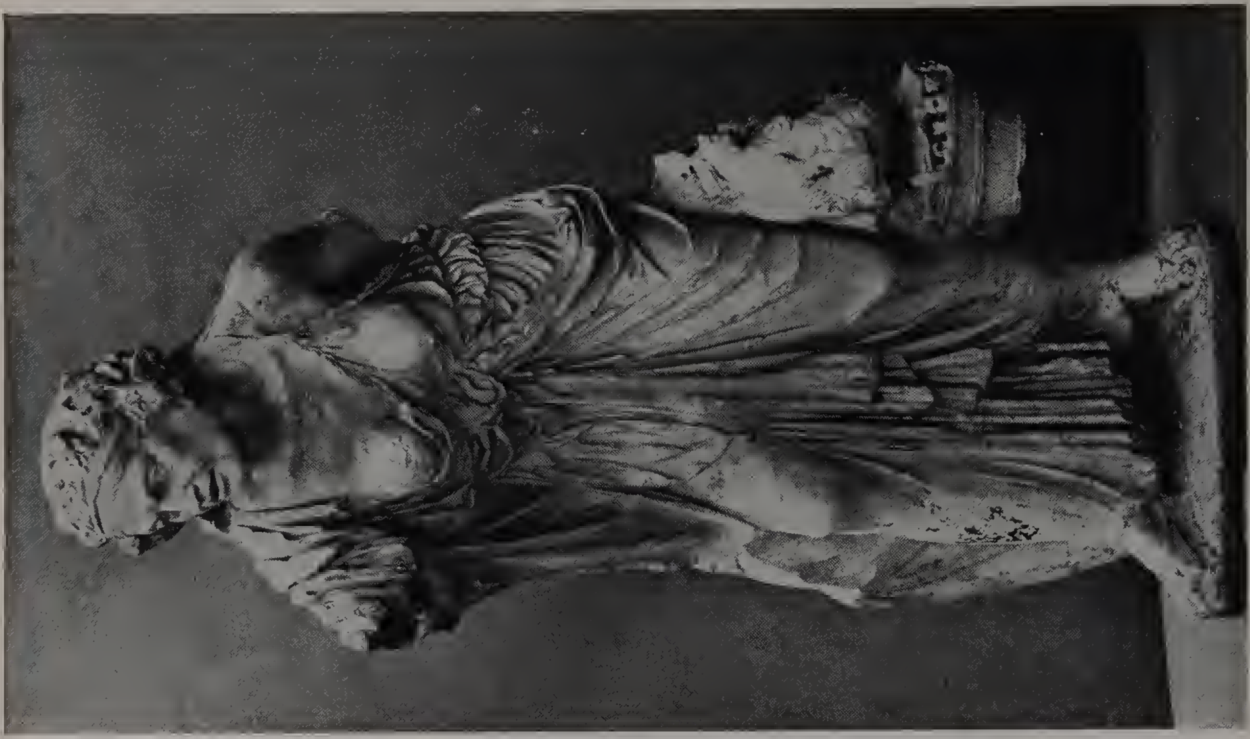


Fig. 219. Old market woman

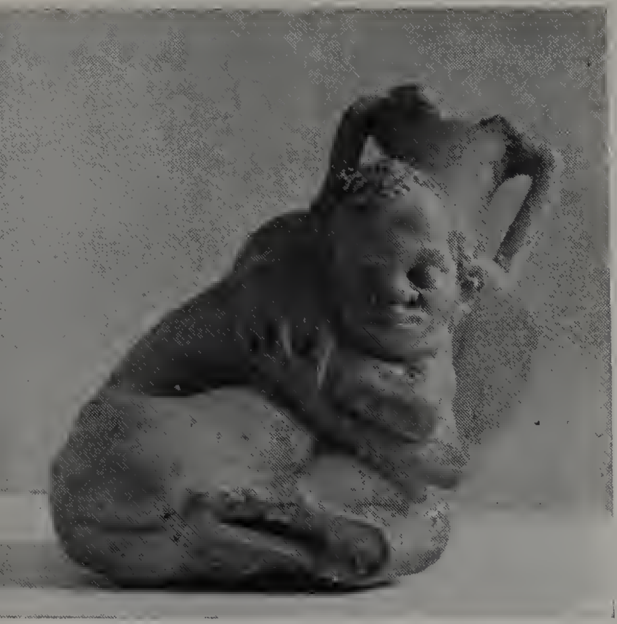


Fig. 220. Terracotta statuette of a negro boy
Ashmolean Museum, Oxford
(Cf. p. 82)

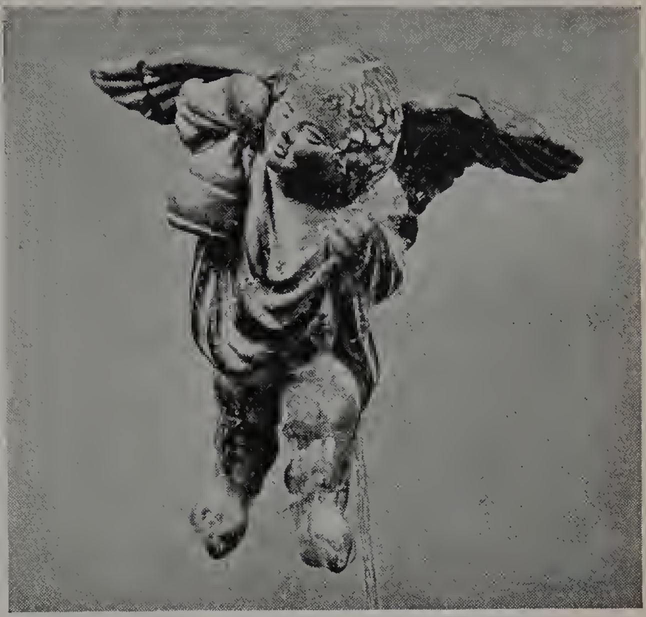


Fig. 221. Terracotta statuette of a flying Eros
Metropolitan Museum of Art
(Cf. p. 82)

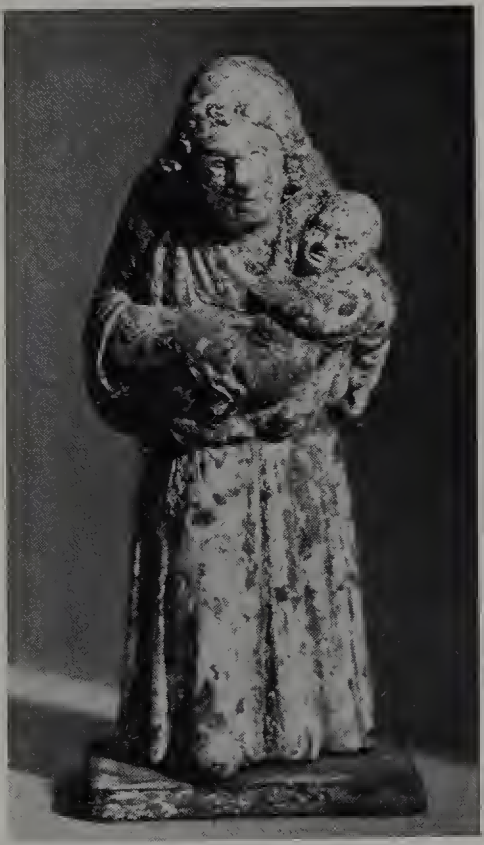


Fig. 222. Terracotta statuette of an old nurse
Metropolitan Museum of Art
(Cf. p. 82)

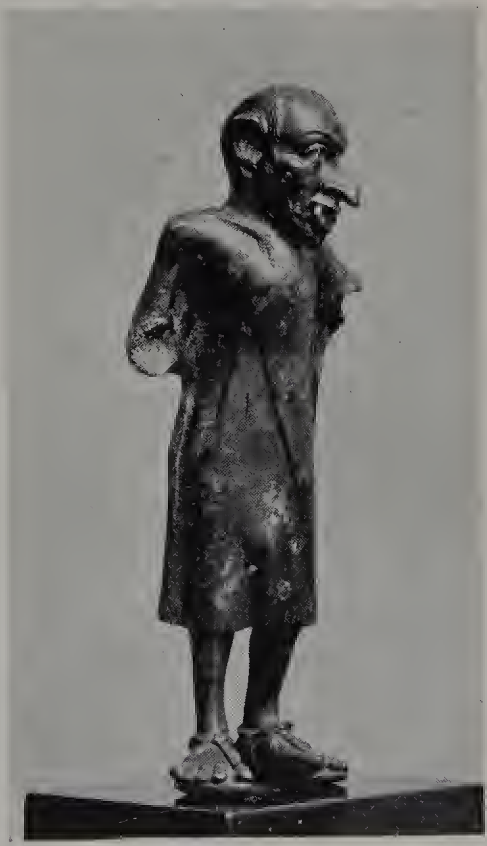
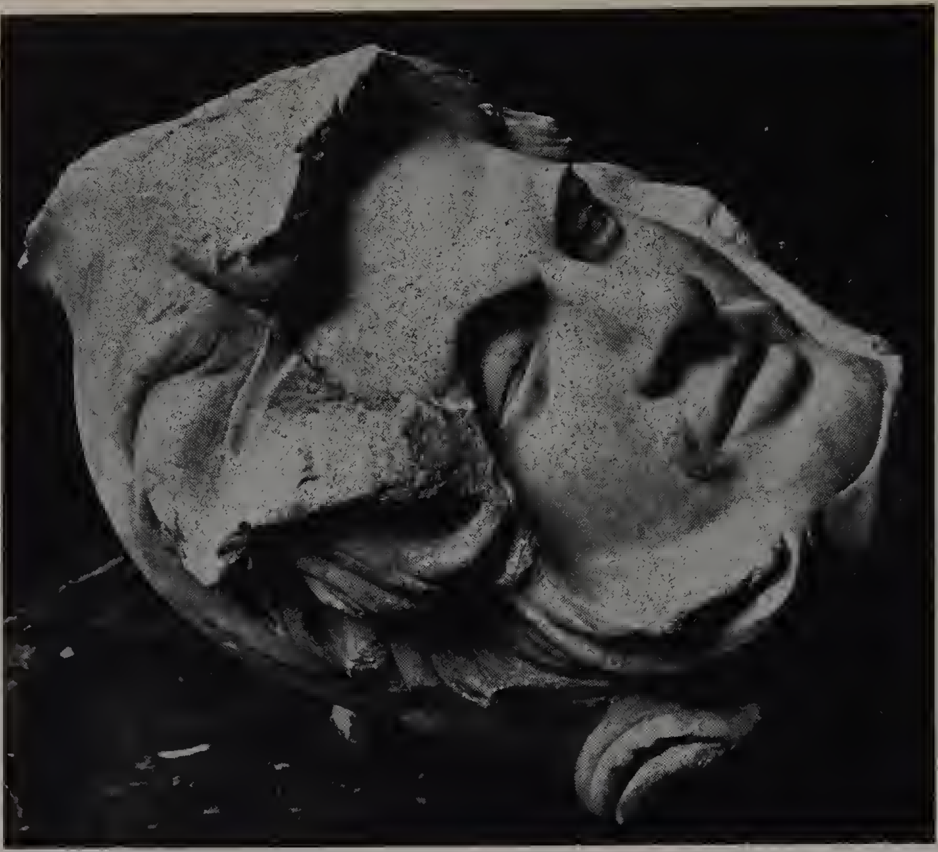


Fig. 223. Bronze caricature
Metropolitan Museum of Art
(Cf. p. 82)



Photograph by D. Anderson, Rome

Fig. 224. Head of a dying Persian (cf. p. 82)

Museo Nazionale delle Terme, Rome

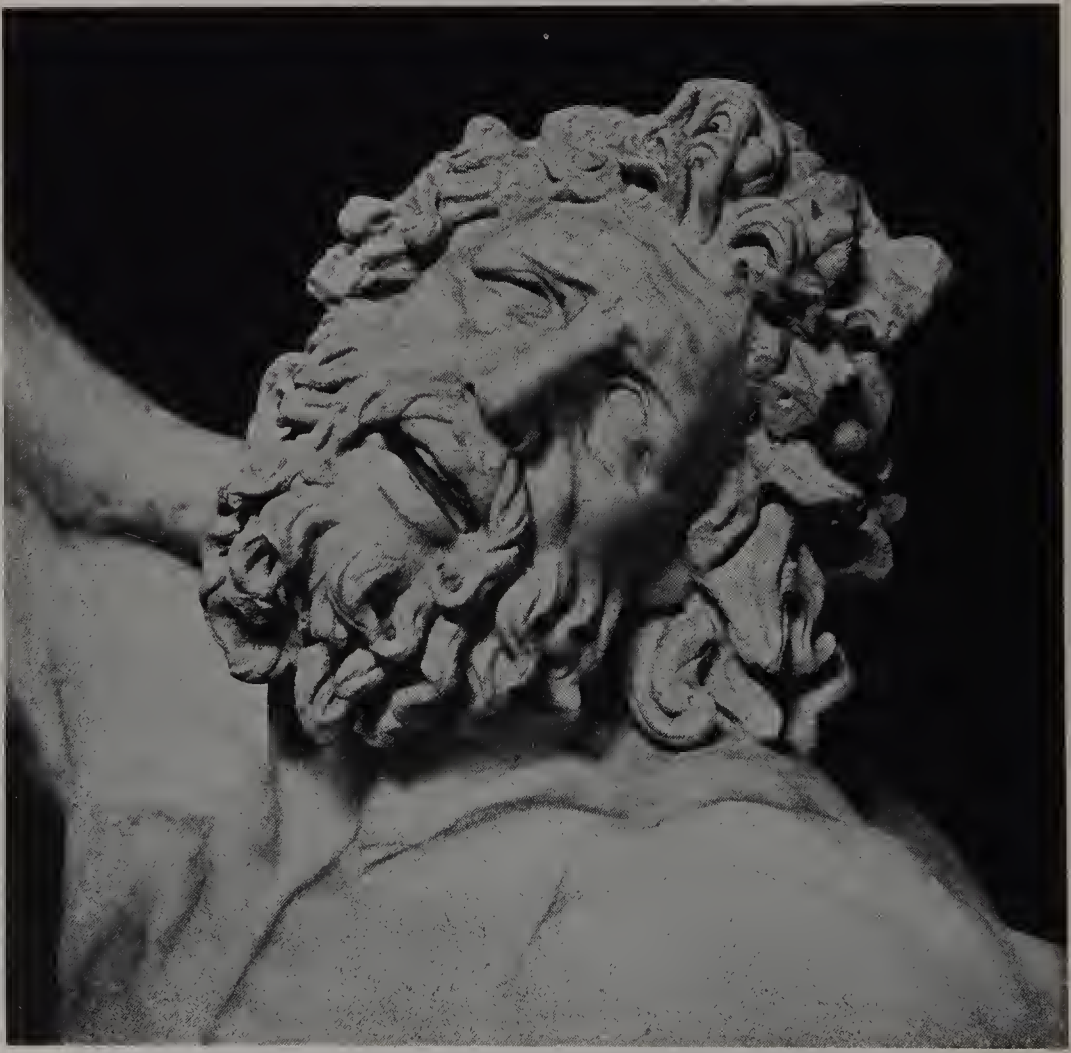


Fig. 225. Head of the Laokoon (cf. pp. 82, 297)

The Vatican, Rome

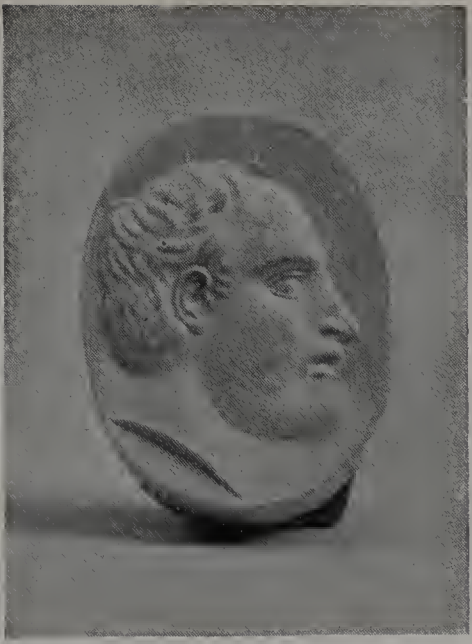


Fig. 226. Portrait of a man on gem signed by Dexamenos (from an impression, enlarged)
Museum of Fine Arts, Boston
(Cf. p. 83)

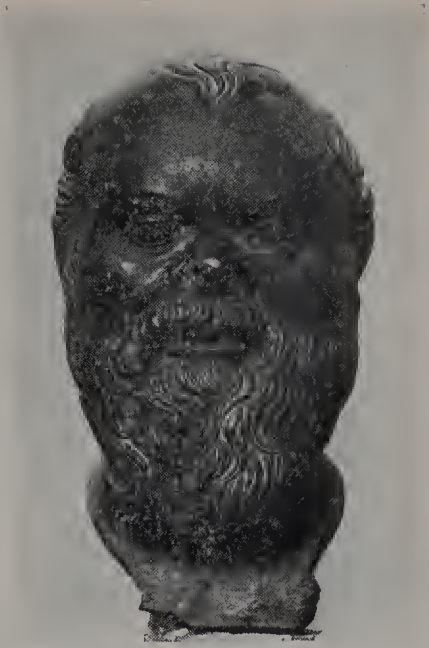


Fig. 227. Bronze head of Sokrates
The Glyptothek, Munich
(Cf. p. 83)

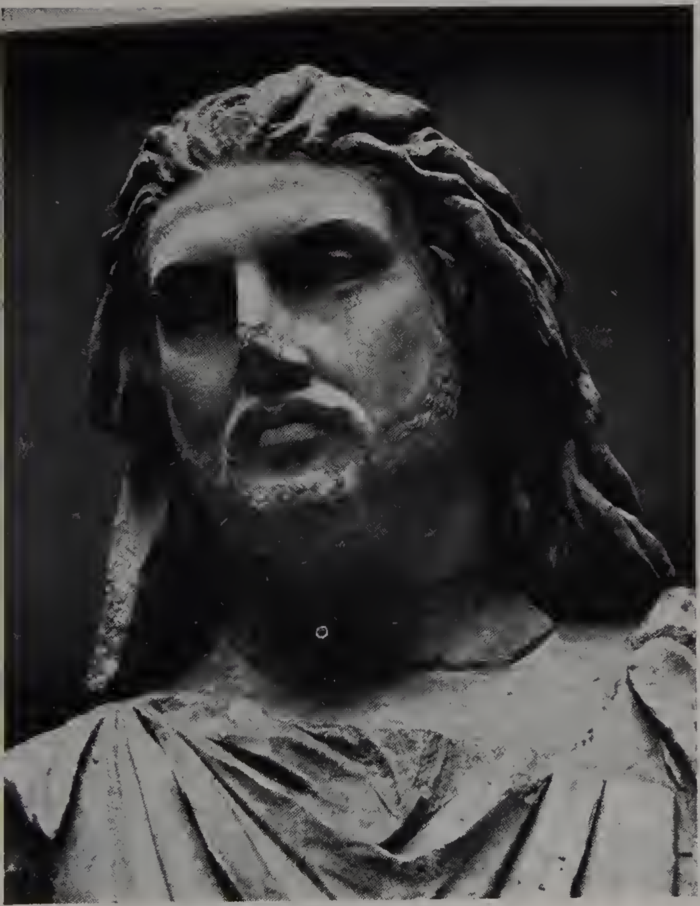


Fig. 228. Head of Maussollos
British Museum, London
(Cf. p. 83)

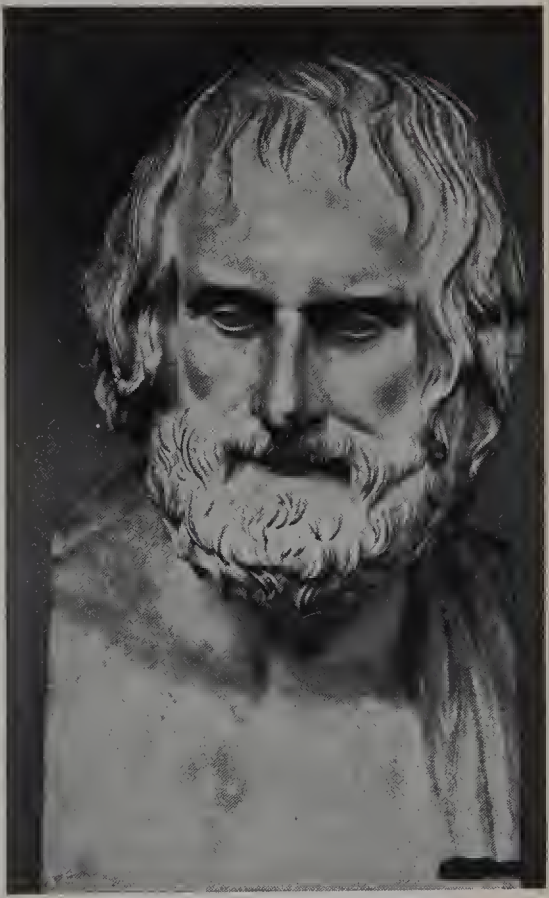


Fig. 229. Head of Euripides (from a cast)
The Vatican, Rome
(Cf. p. 84)

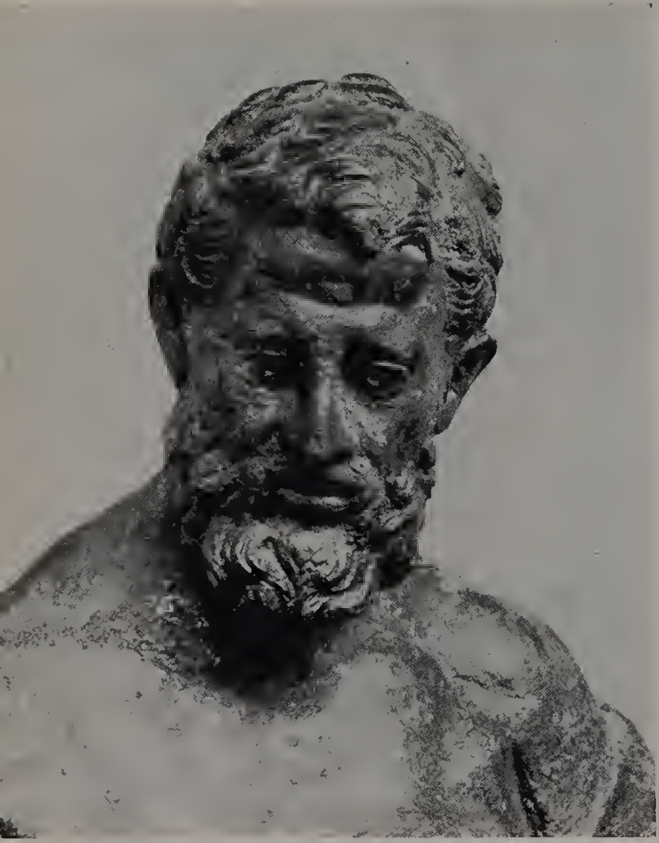


Fig. 230. Head of bronze portrait statuette
Metropolitan Museum of Art
(Cf. p. 84)

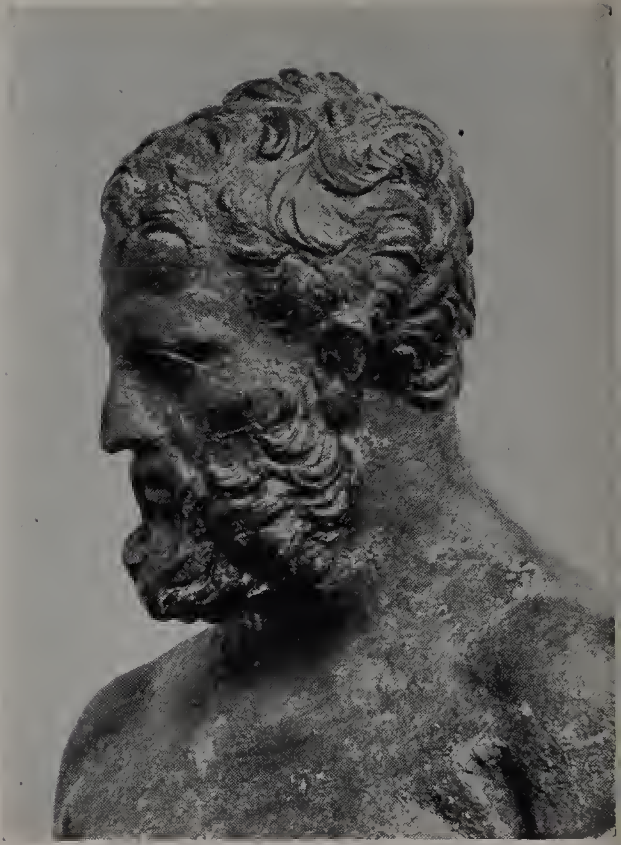


Fig. 231. Side view of Fig. 230
(Cf. p. 84)

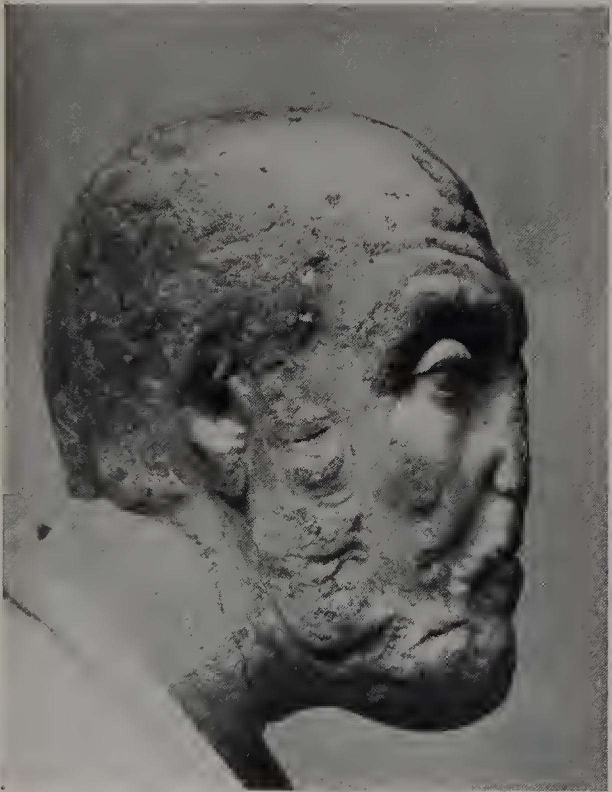


Fig. 232. Head of Chrysippos
Metropolitan Museum of Art
(Cf. p. 84)

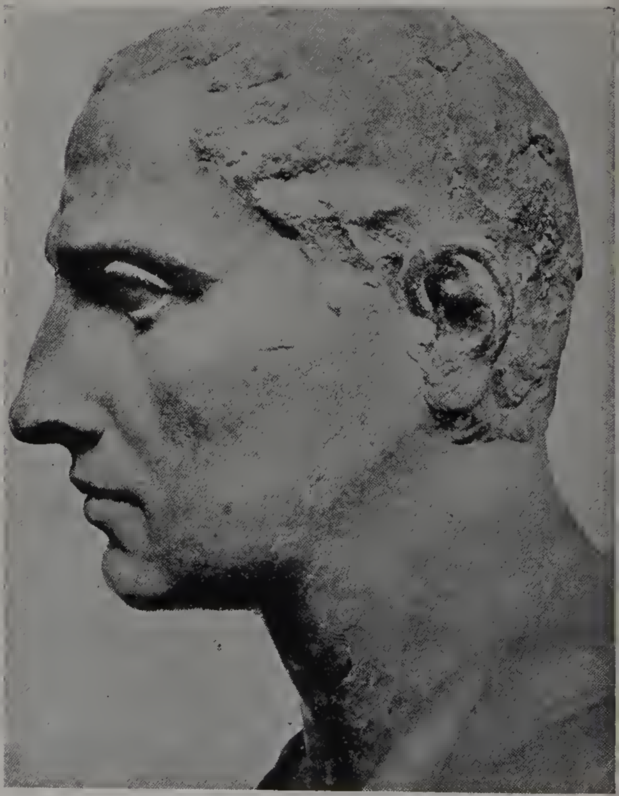
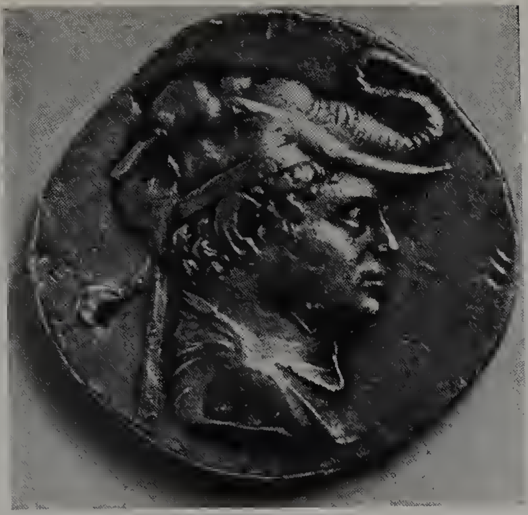
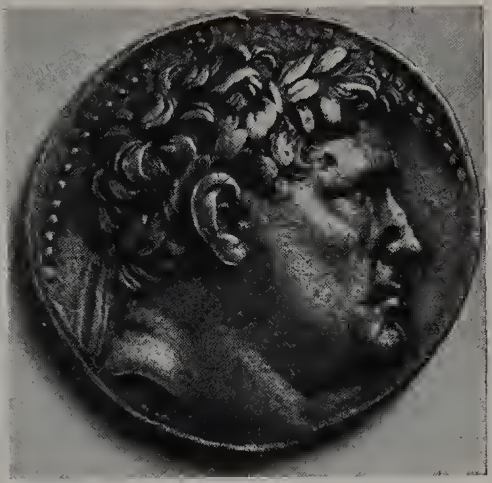
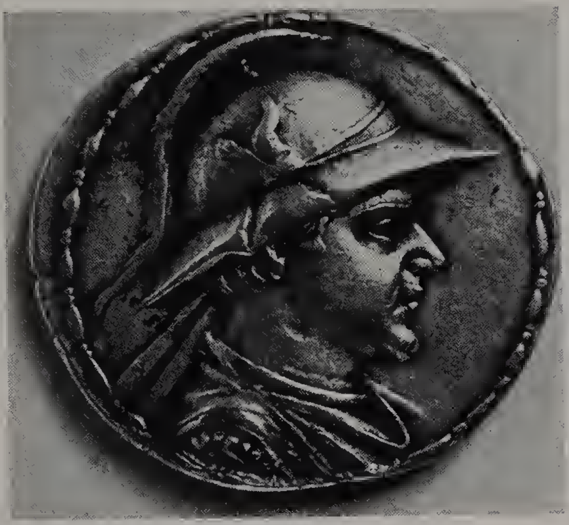
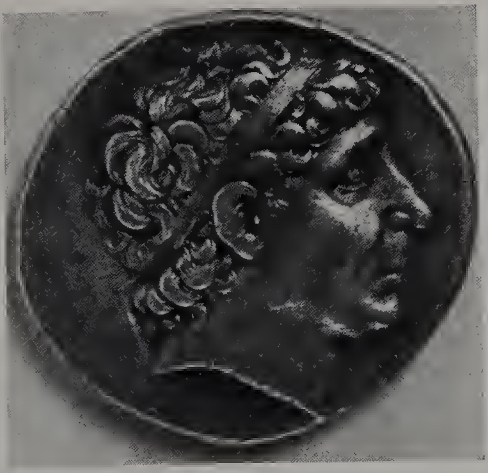


Fig. 233. Portrait head
Lord Melchett's Collection, London
(Cf. p. 84)









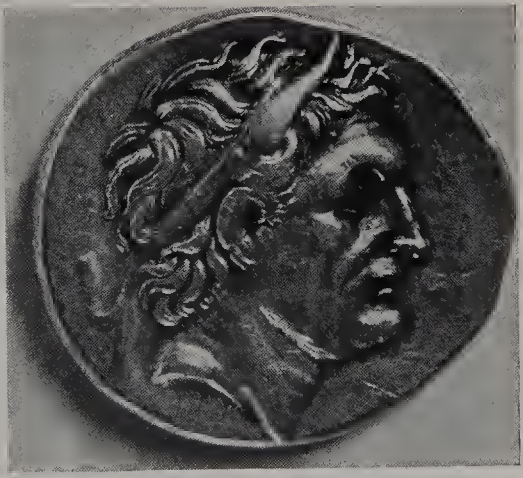


Fig 234. Portrait of Demetrios, king of Baktria, from a coin

E. T. Newell Collection, New York

Fig. 235. Portrait of Philetairos, ruler of Pergamon, from a coin

E. T. Newell Collection, New York

Fig. 236. Portrait of Eukratides, king of Baktria and India, from a coin

E. T. Newell Collection, New York

Fig. 237. Portrait of Antiochos I Soter, king of Syria, from a coin

E. T. Newell Collection, New York

Fig. 238. Portrait of Seleukos I, king of Syria, from a coin

E. T. Newell Collection, New York

Enlarged *c.* 1:2

(Cf. p. 84)

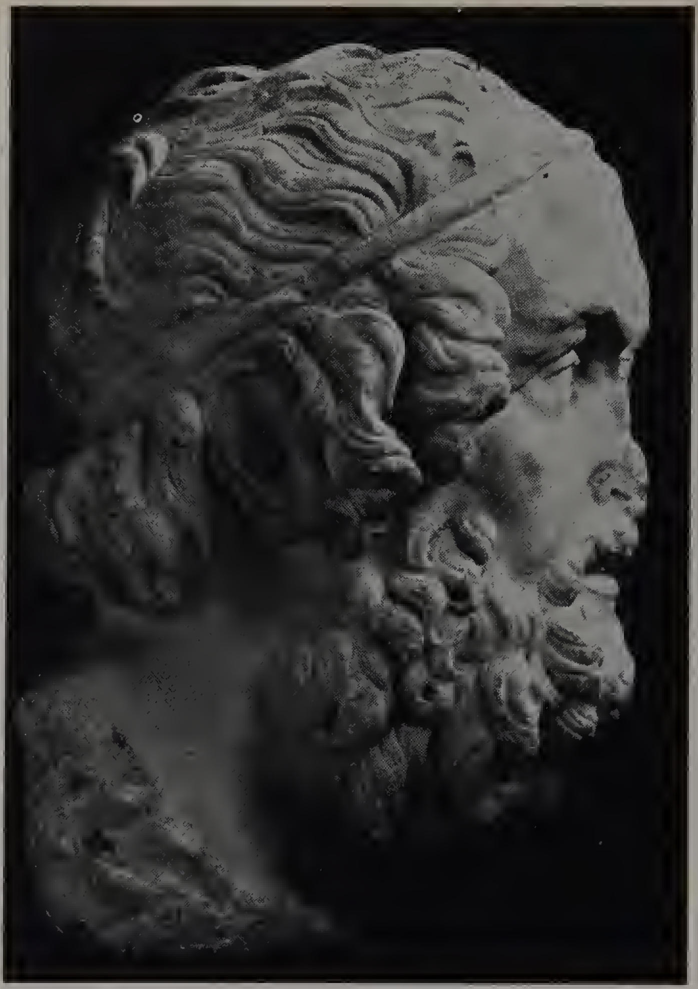


Fig. 239. Head of Homer

Museum of Fine Arts, Boston

(Cf. p. 84)

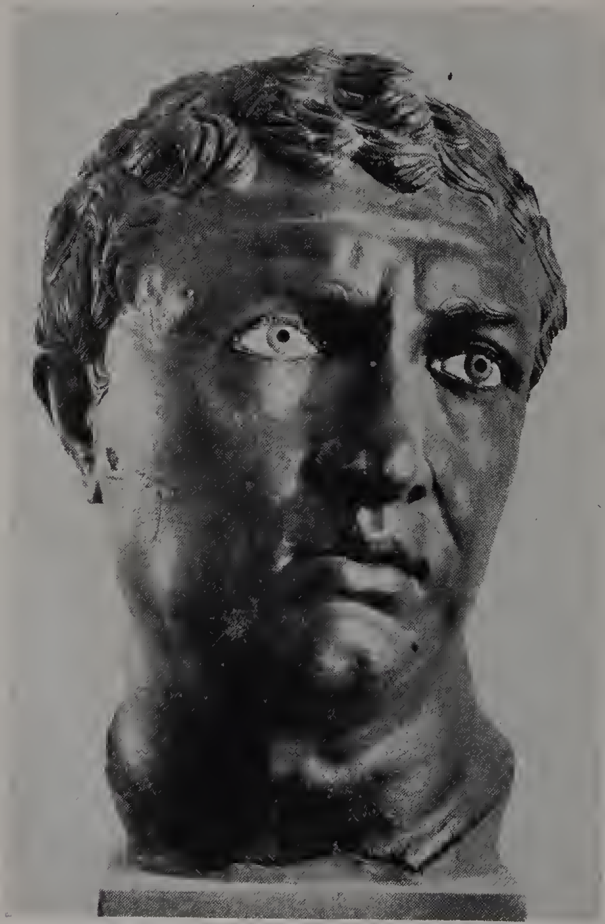


Fig. 240. Bronze portrait head

National Museum, Athens

(Cf. p. 84)

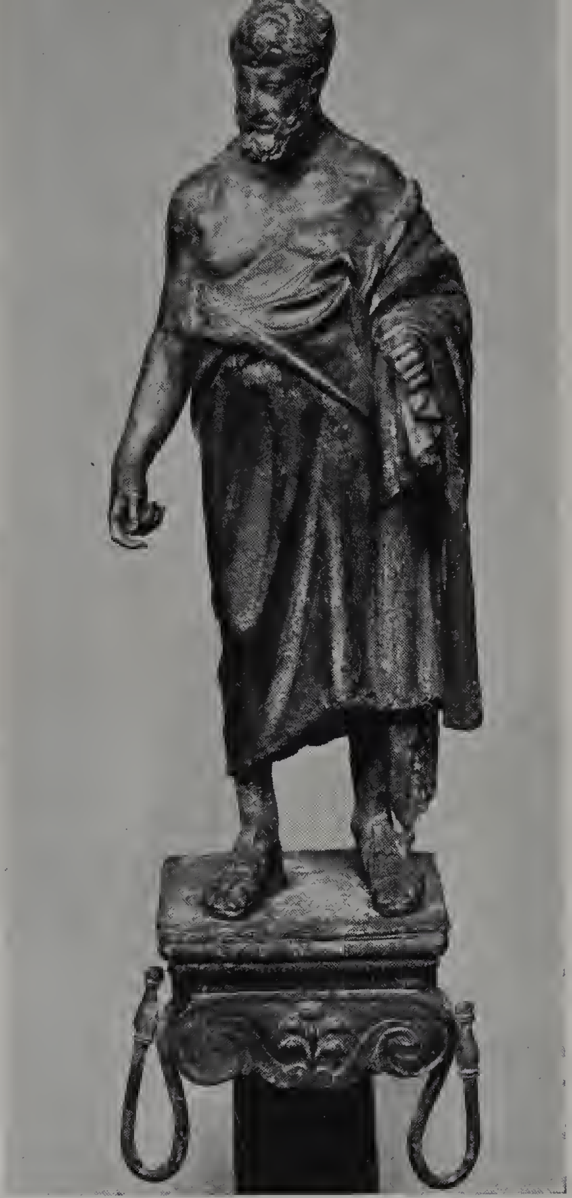


Fig. 241. Bronze portrait statuette
Metropolitan Museum of Art
(Cf. p. 85)

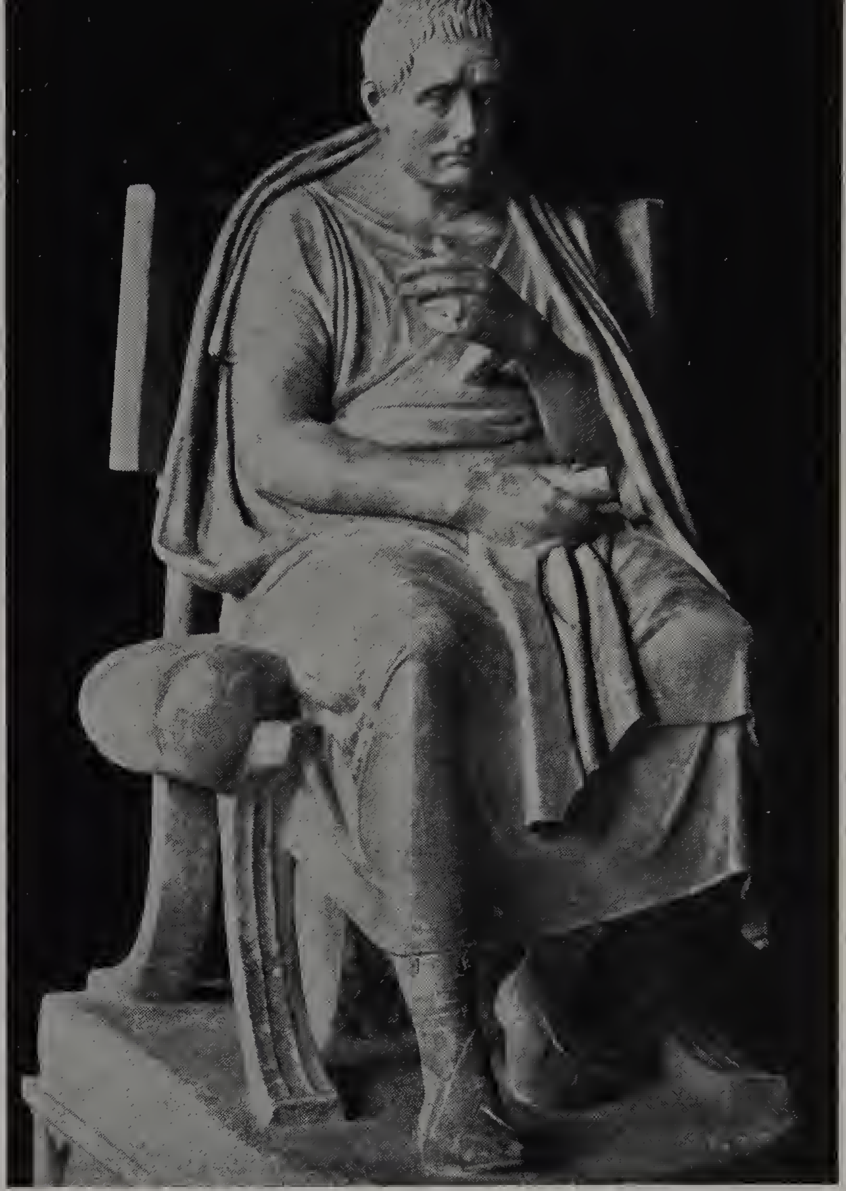


Fig. 242. Statue of Poseidippos
The Vatican, Rome
(Cf. p. 85)

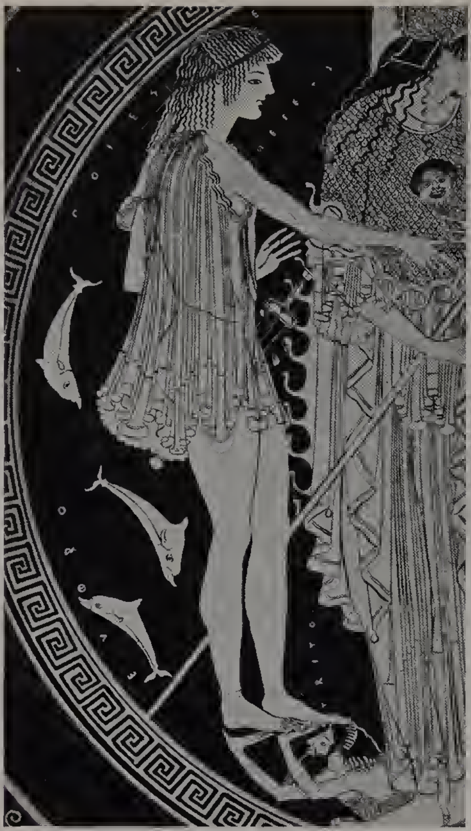


Fig. 245. Theseus, from a kylix
The Louvre, Paris
(Cf. p. 88)

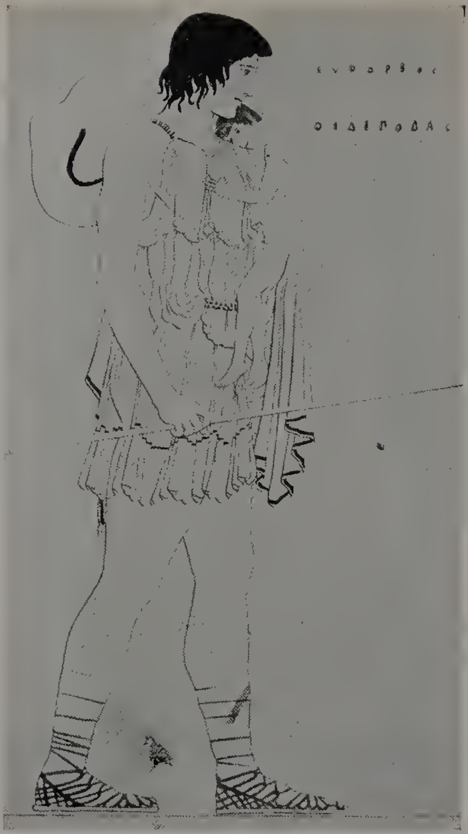


Fig. 246. Euphorbos carrying the infant Oidipous, from an amphora
Bibliothèque Nationale, Paris
(Cf. p. 88)

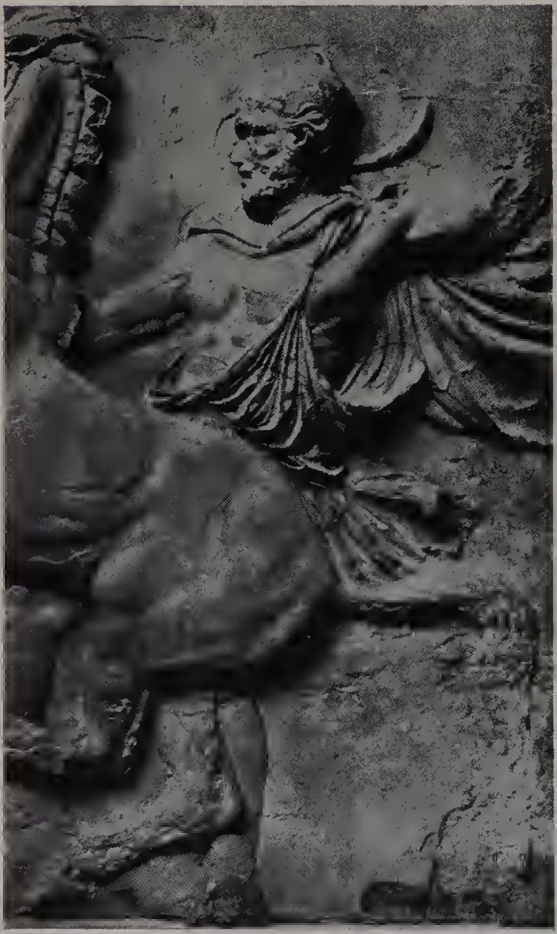


Fig. 247. Detail of the Parthenon frieze (from a cast)
In situ in Athens
(Cf. p. 88)

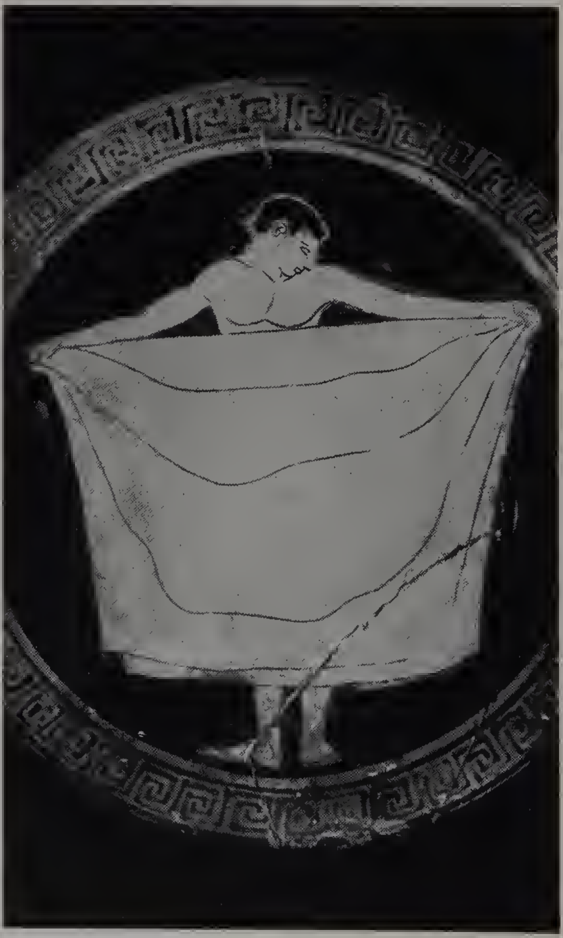


Fig. 248. Boy holding himation, from a kylix
Staatliche Museen, Berlin
(Cf. p. 88)

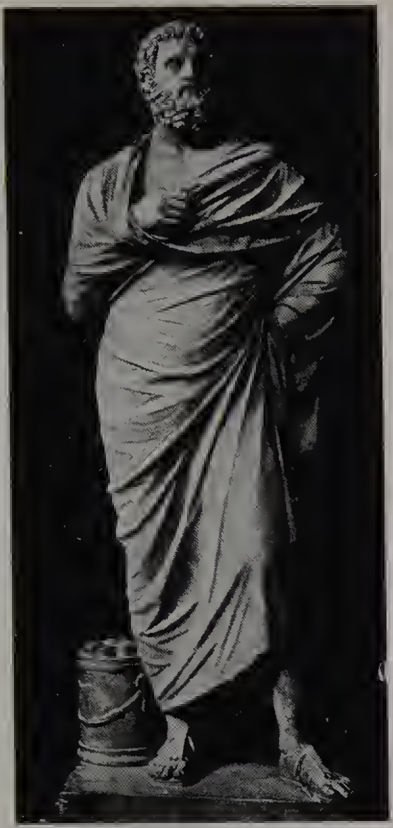


Fig. 249. Sophokles
The Lateran, Rome
(Cf. pp. 84, 89)

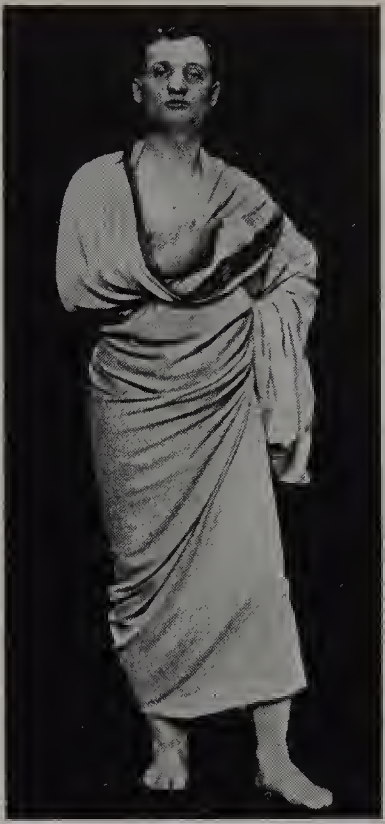


Fig. 250. Living model wearing himation
(Cf. pp. 89, 93)

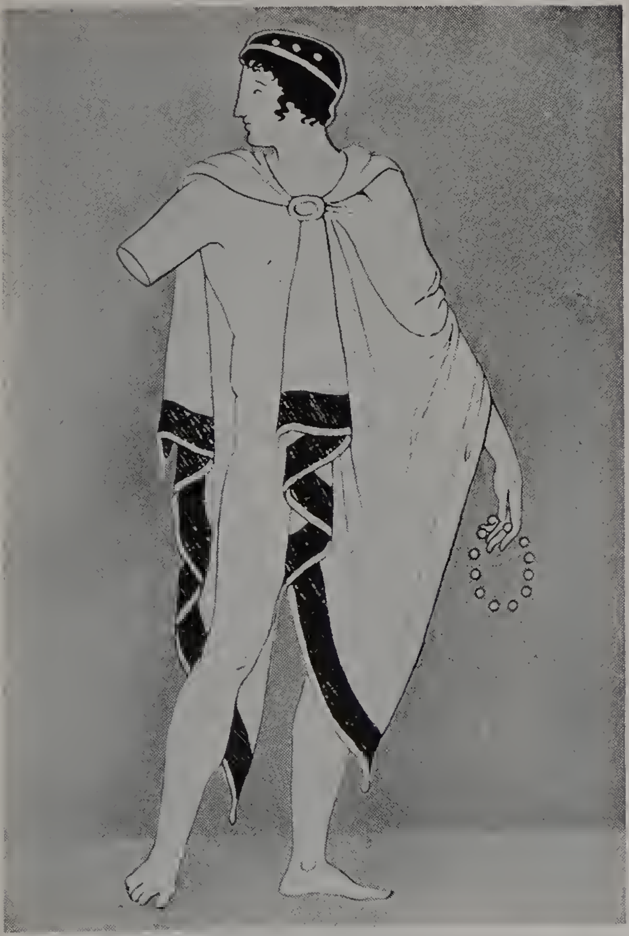


Fig. 251. Youth wearing a chlamys, from a Greek vase
(Cf. p. 89)

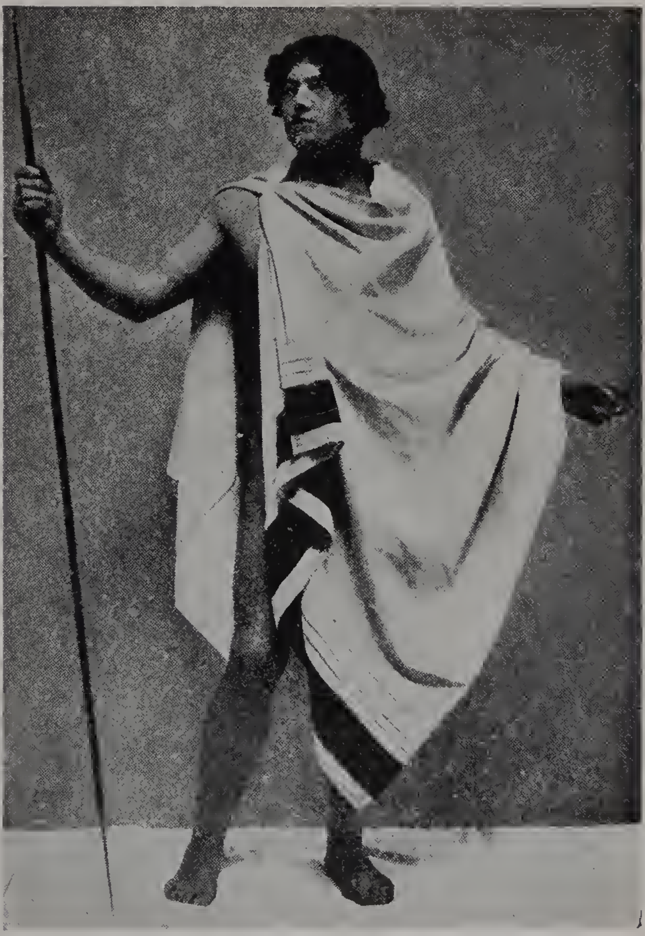


Fig. 252. Living model wearing a chlamys
(Cf. p. 90)

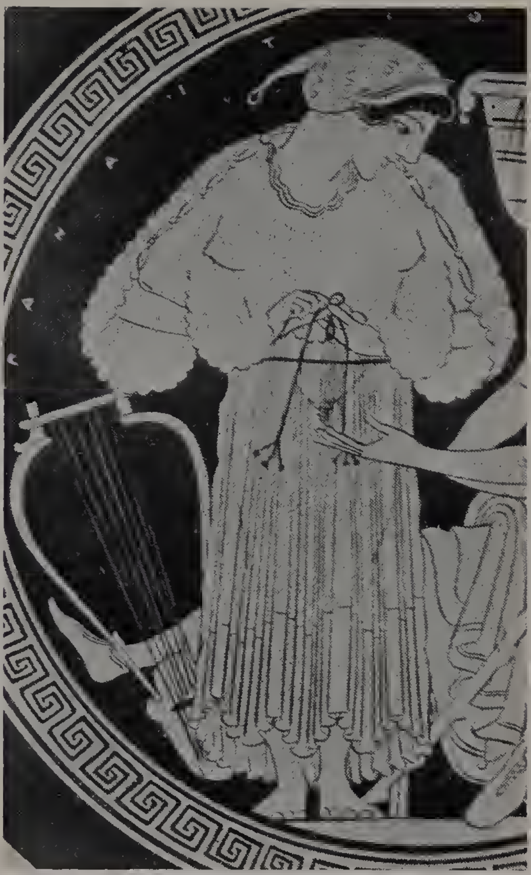


Fig. 254. Detail of a kylix

British Museum, London

(Cf. p. 90)

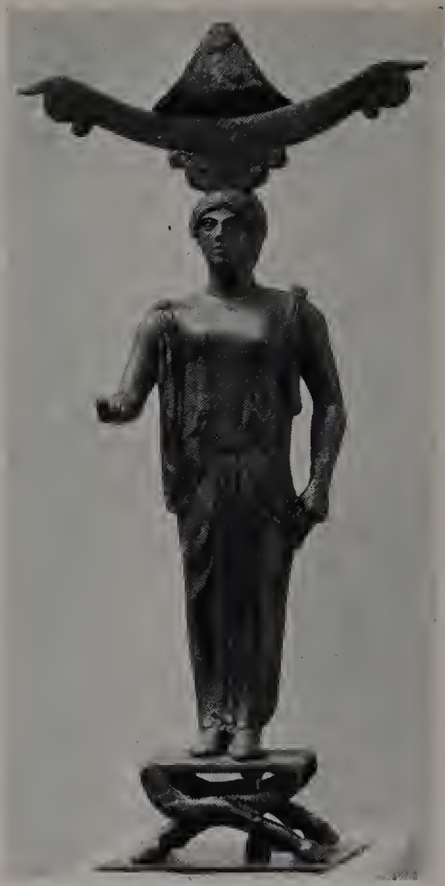


Fig. 255. Bronze mirror support

Museum of Fine Arts, Boston

(Cf. p. 90)

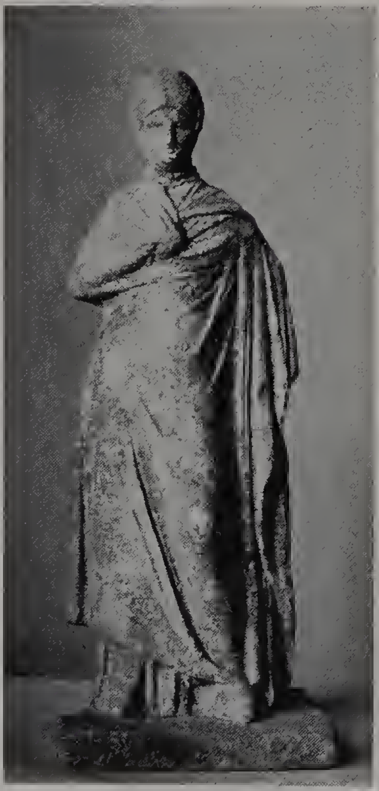


Fig. 256. Terracotta statuette

Metropolitan Museum of Art

(Cf. p. 91)

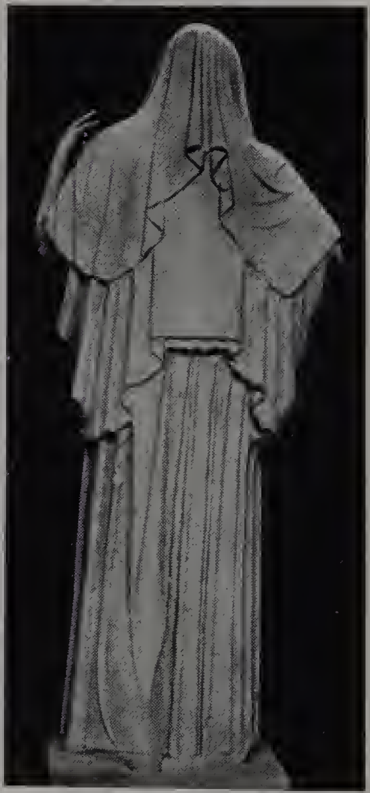


Fig. 257. Back of the Hestia Giustiniani (from a cast)

Museo Torlonia, Rome

(Cf. p. 91)

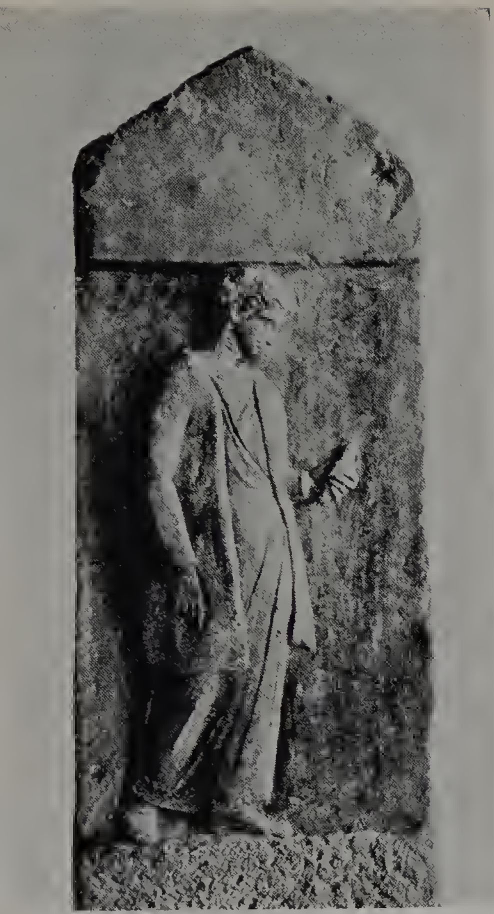


Fig. 258. Grave relief of Myttion
Broom Hall, Dunfermline, Scotland
(Cf. p. 91)

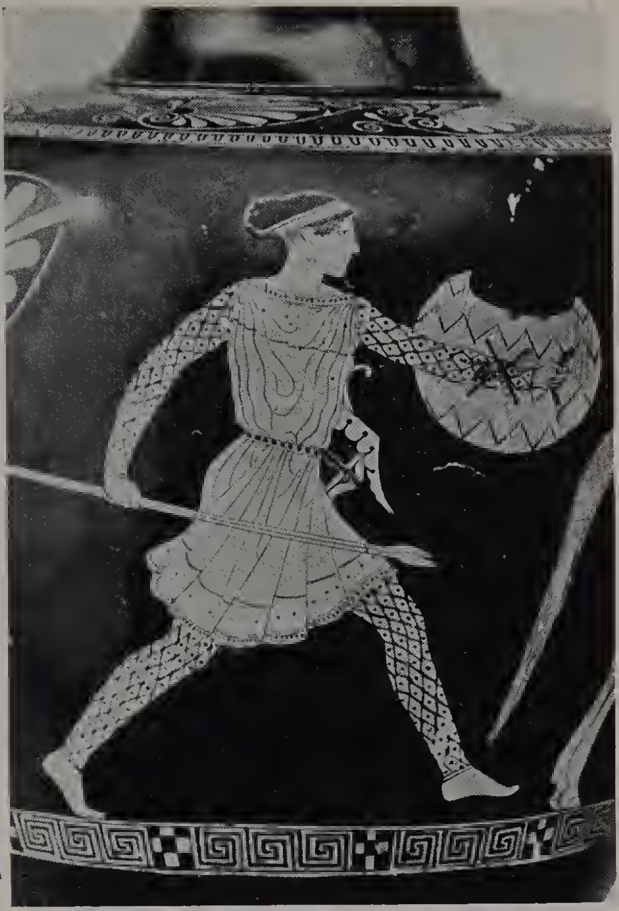


Fig. 259. Amazon, from an oinochoë
Metropolitan Museum of Art
(Cf. p. 91)

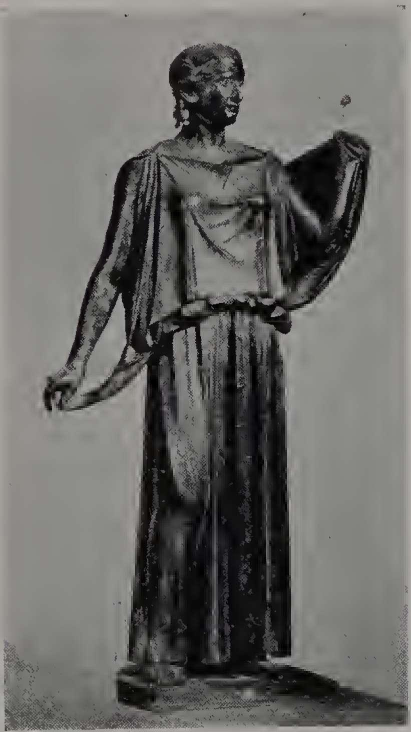


Fig. 260. Bronze statue of a dancing girl
Museo Nazionale, Naples
(Cf. p. 92)

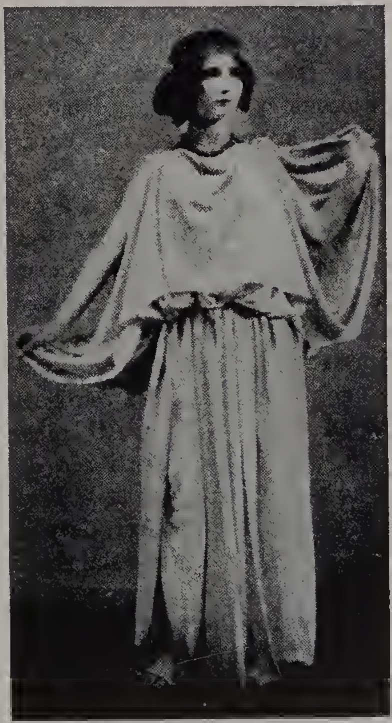


Fig. 261. Living model wearing a Doric chiton
(Cf. p. 92)

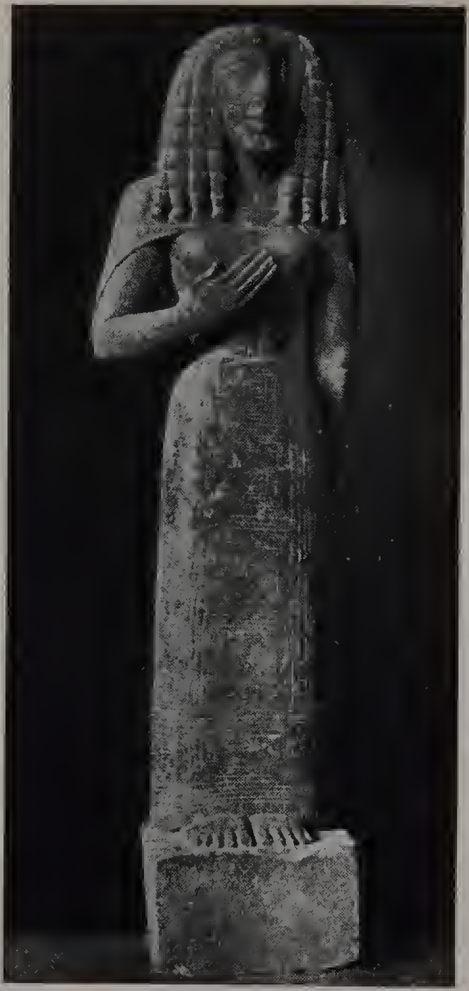


Fig. 262. Female statue, formerly in Auxerre
The Louvre, Paris
(Cf. p. 93)

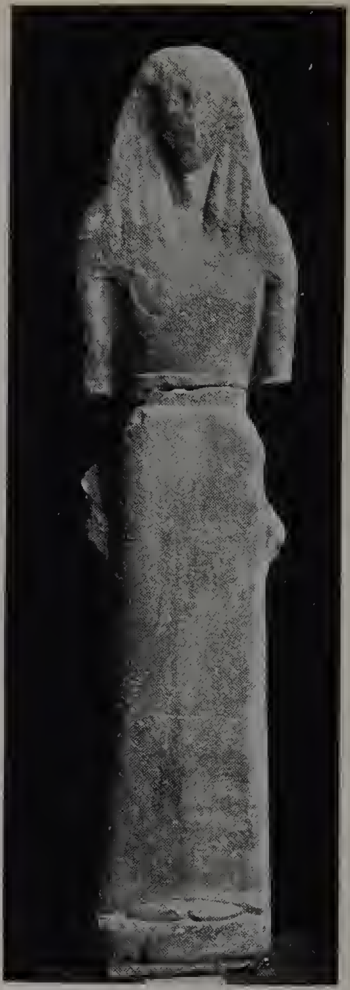


Fig. 263. Statue dedicated by Nikandre at Delos
National Museum, Athens
(Cf. p. 93)

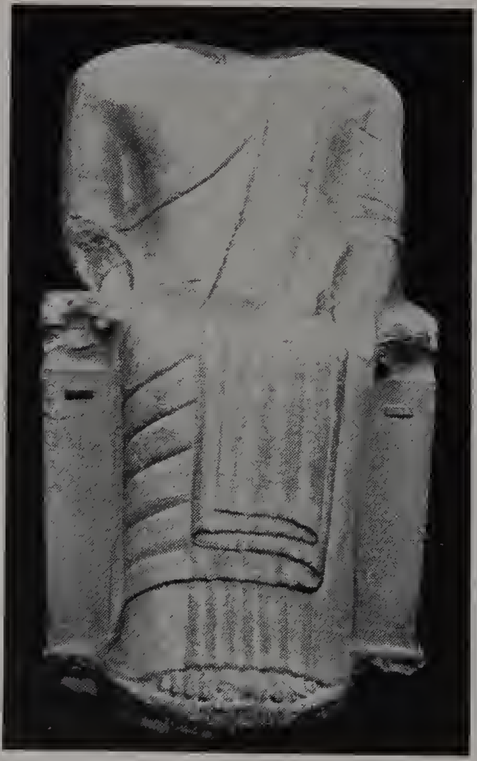
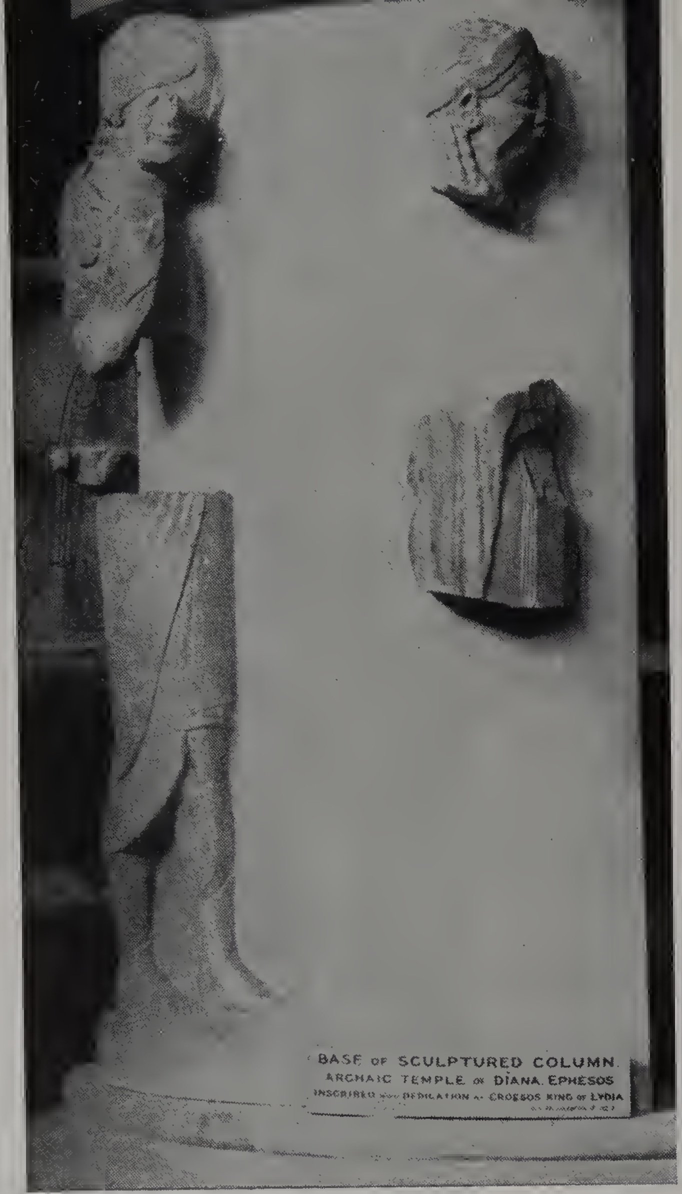


Fig. 264. Chares, from Branchidai (from a cast)
British Museum, London
(Cf. pp. 37, 93)

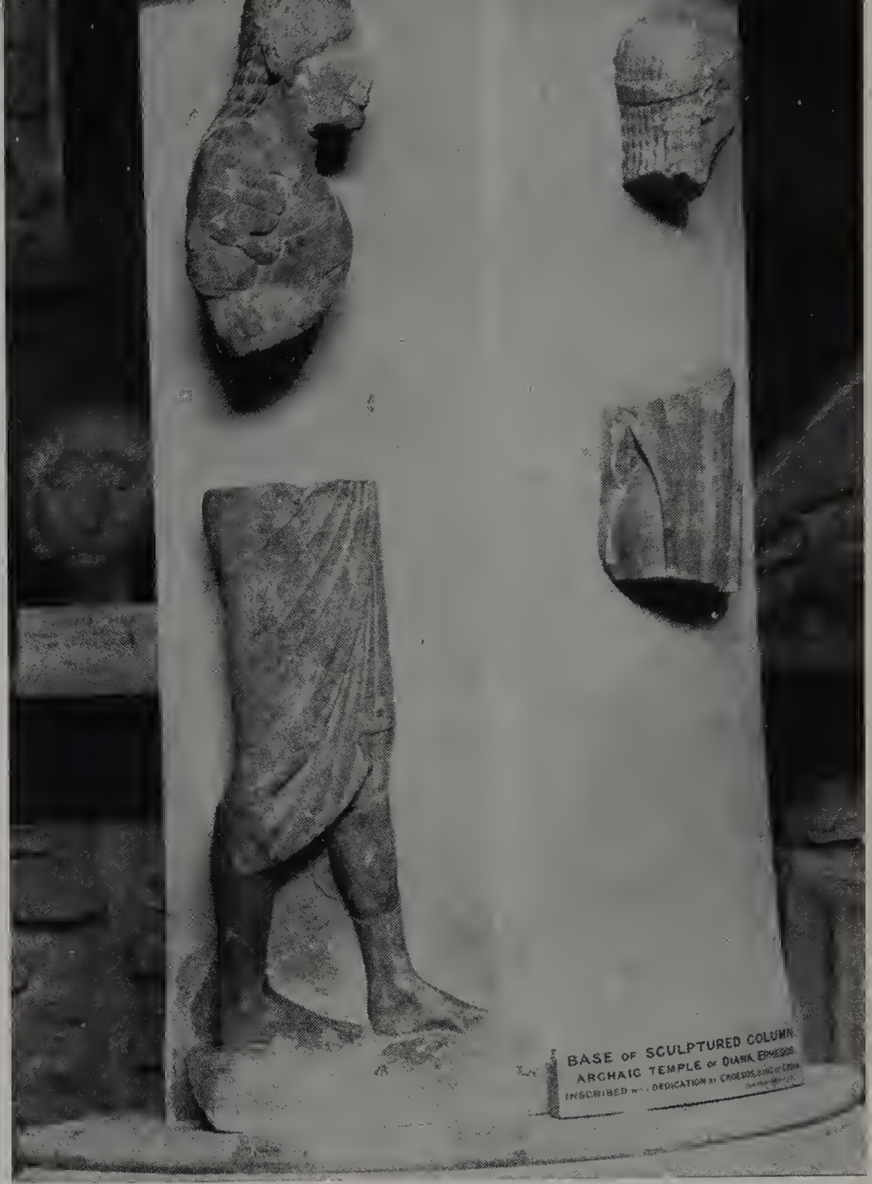

BASE OF SCULPTURED COLUMN
ARCHAIC TEMPLE OF DIANA EPHESOS
INSCRIBED WITH DEDICATION BY CROESOS KING OF LYDIA

Photograph by W. F. Mansell

Fig. 265. Sculptures from the bases of columns from the temple of Artemis at Ephesos

British Museum, London

(Cf. pp. 37, 93)


BASE OF SCULPTURED COLUMN
ARCHAIC TEMPLE OF DIANA EPHESOS
INSCRIBED WITH DEDICATION BY CROESOS KING OF LYDIA

Photograph by W. F. Mansell

Fig. 266. Another view of Fig. 265

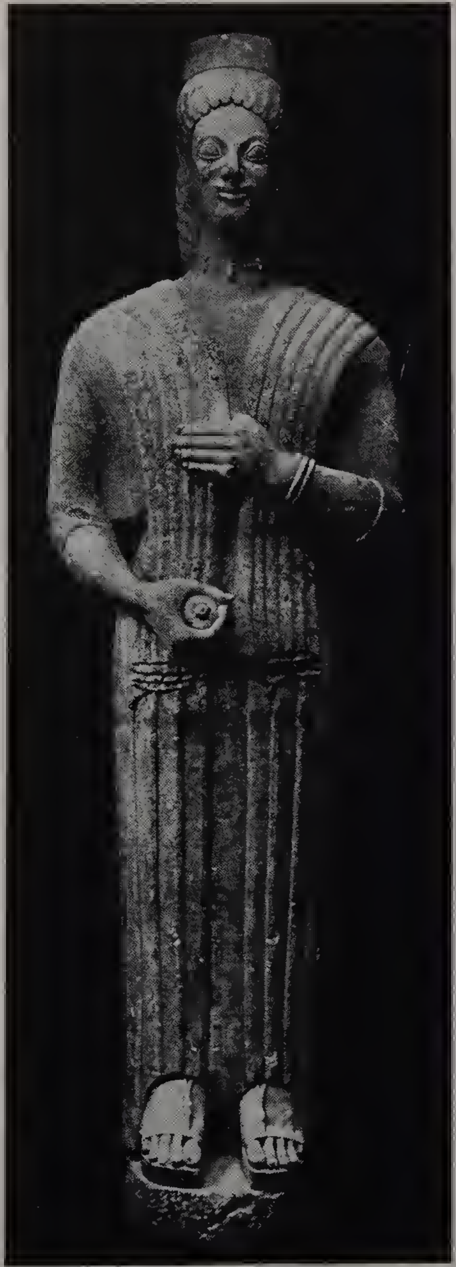


Fig. 267. Maiden, from Attica

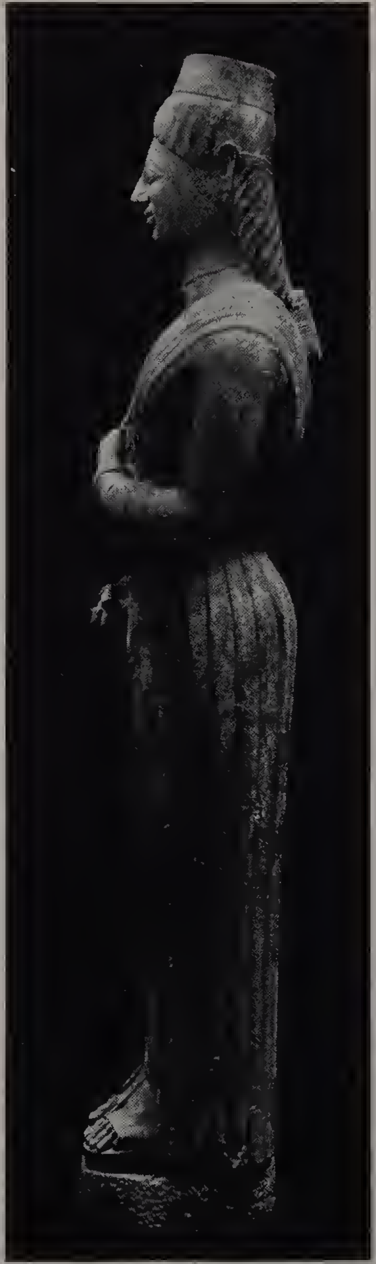


Fig. 268. Side view of Fig. 267

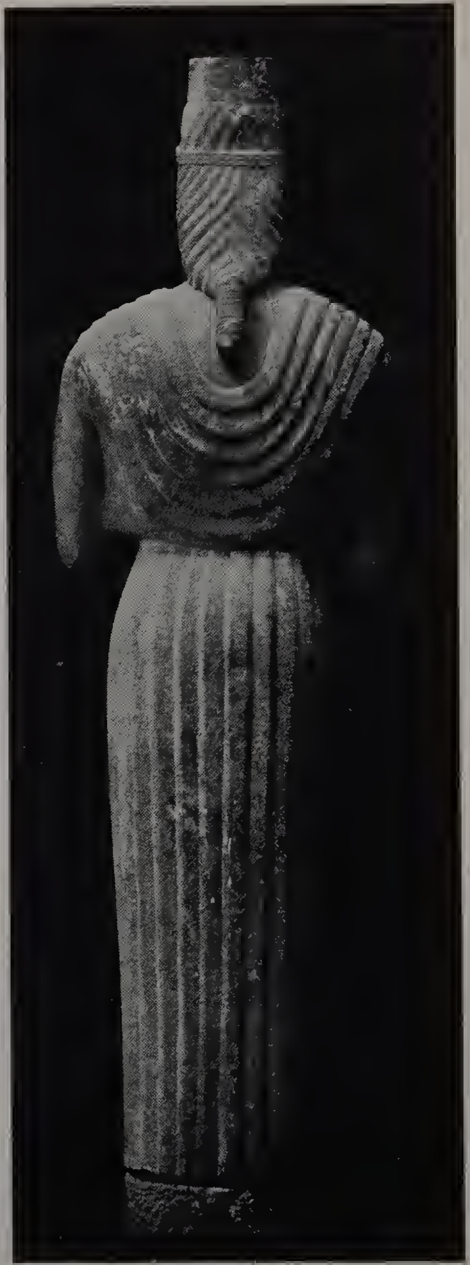


Fig. 269. Back view of Fig. 267

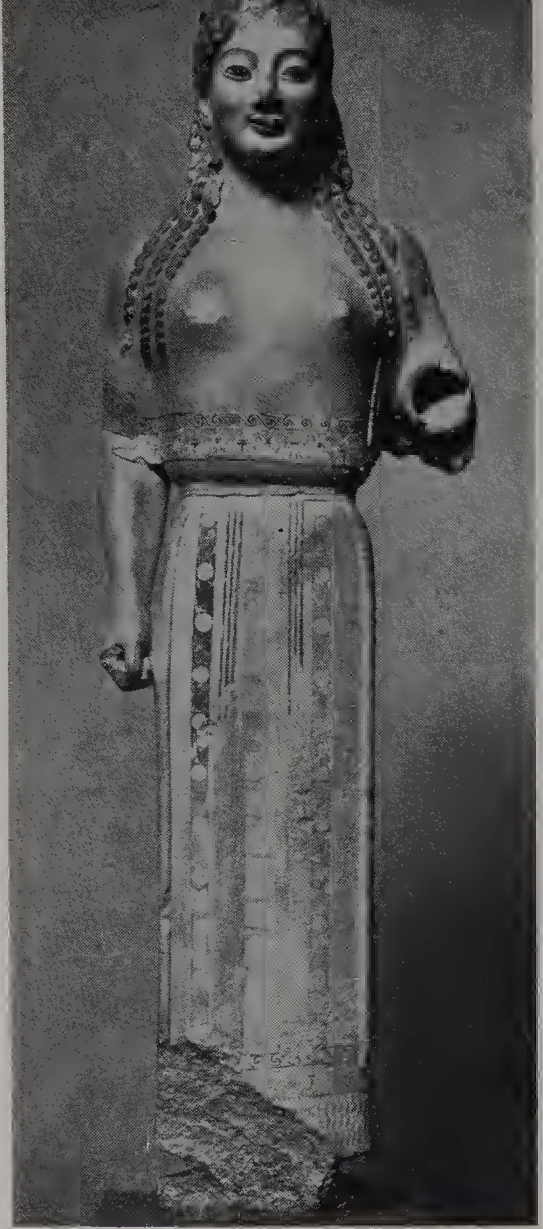


Fig. 270. Maiden (from a cast)
No. 679, Akropolis Museum, Athens
(Cf. pp. 94, 146)

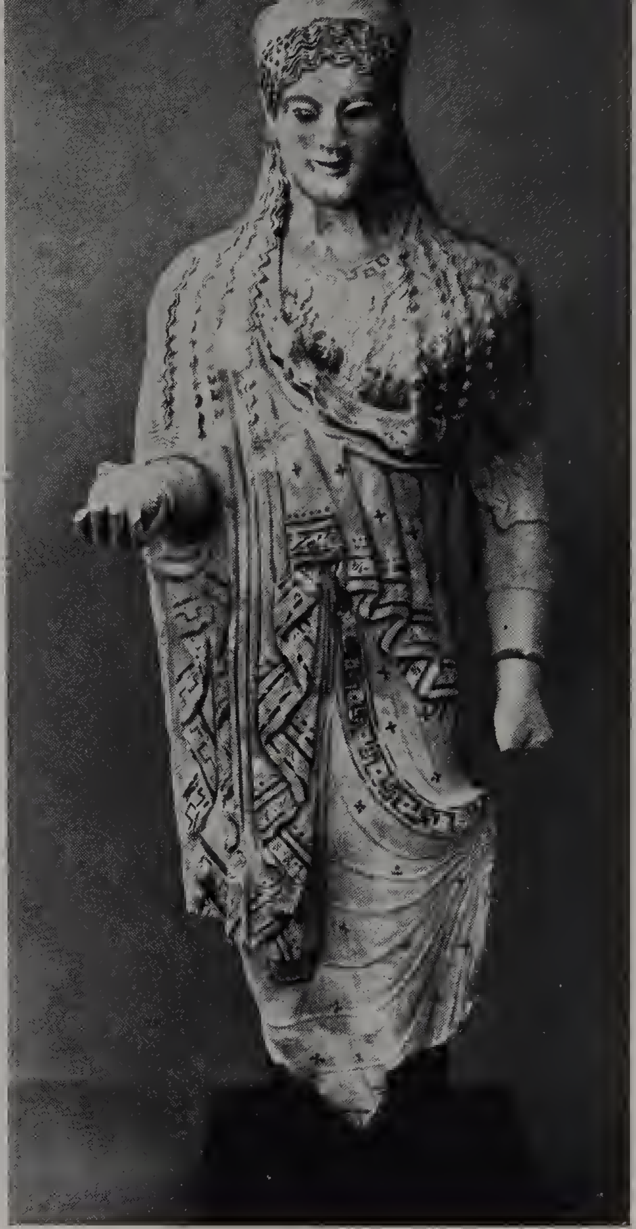


Fig. 271. Maiden (from a cast)
No. 680, Akropolis Museum, Athens
(Cf. p. 94)

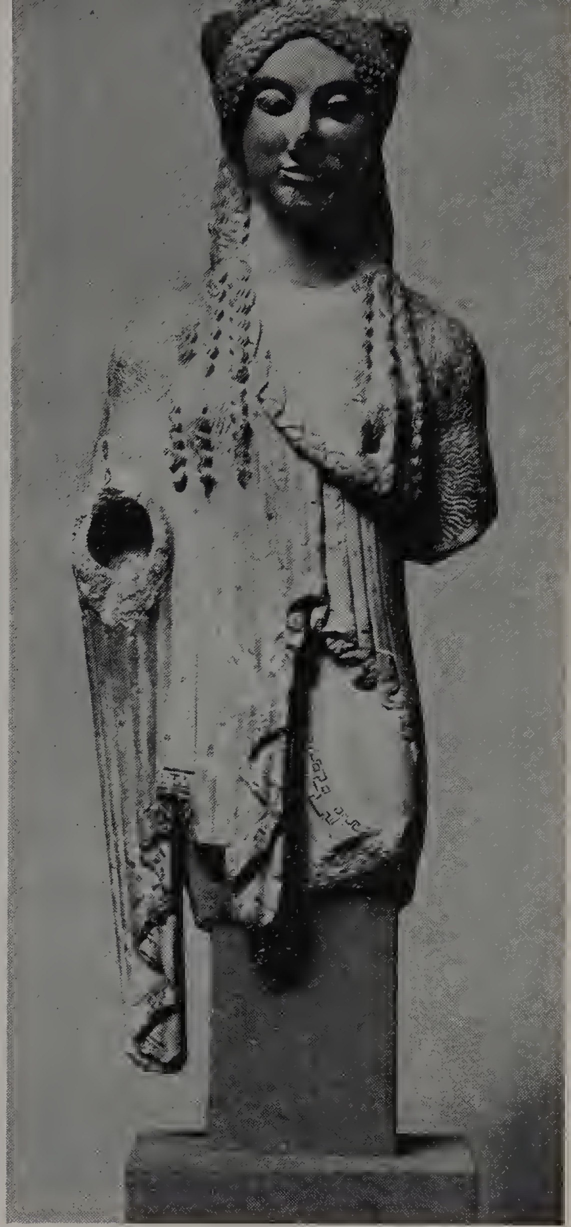


Fig. 272. Maiden (from a cast)
No. 674, Akropolis Museum, Athens
(Cf. pp. 94, 146)

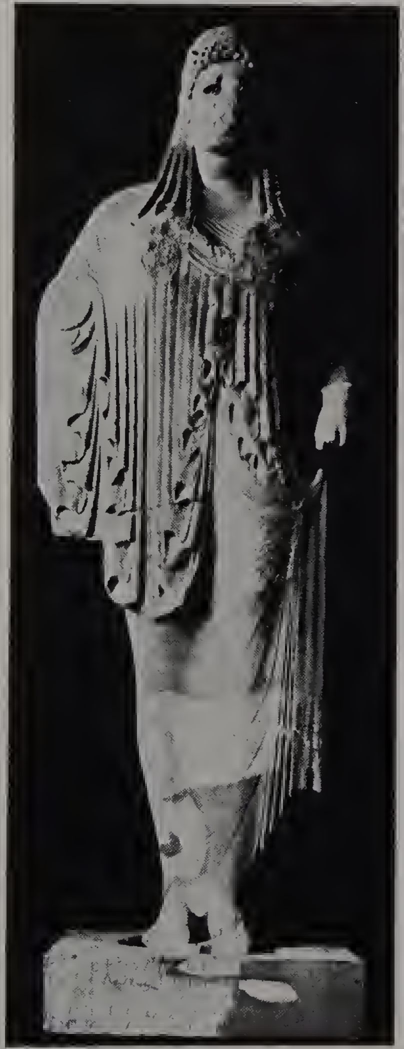


Fig. 273. Maiden, perhaps by Antenor

Akropolis Museum, Athens

(Cf. pp. 94, 196)

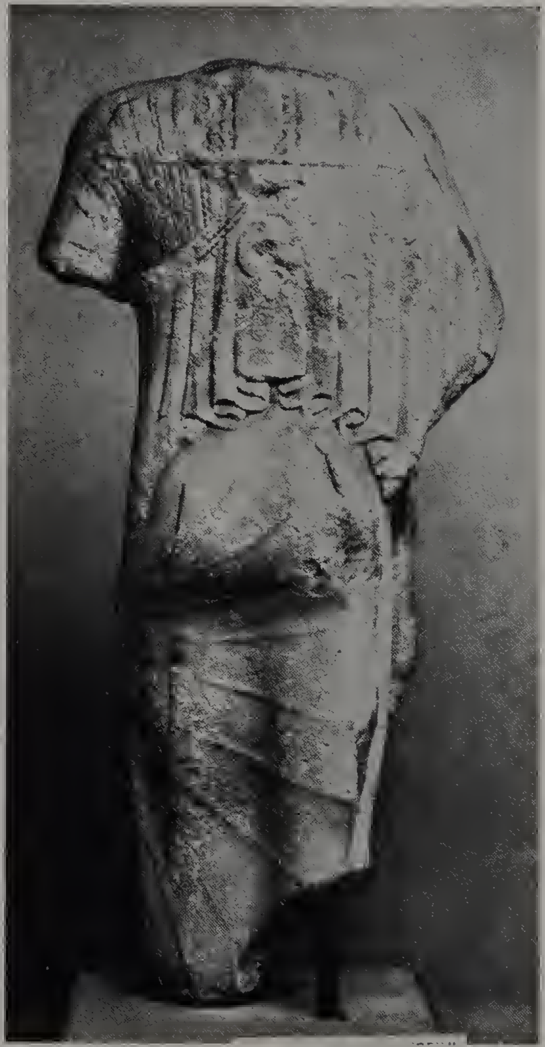


Fig. 274. Back of a maiden, from Paros

Metropolitan Museum of Art

(Cf. p. 94)

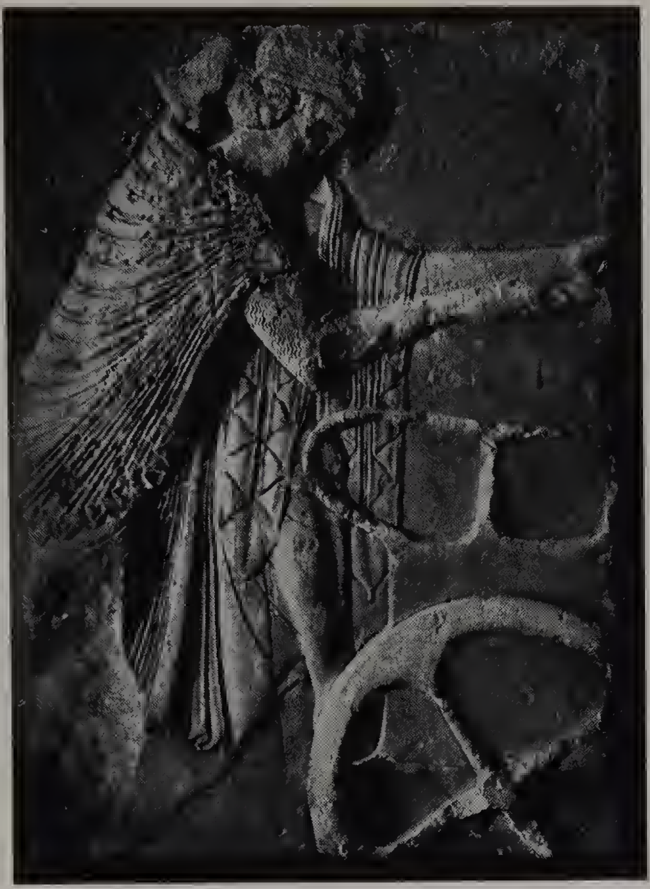


Fig. 275. Relief of a charioteer

Akropolis Museum, Athens

(Cf. pp. 94, 167)

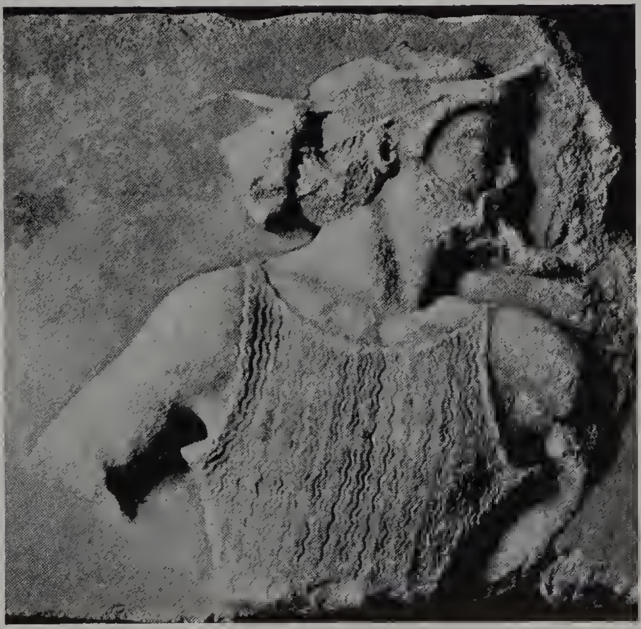


Fig. 276. Relief of Hermes

Akropolis Museum, Athens

(Cf. p. 94)

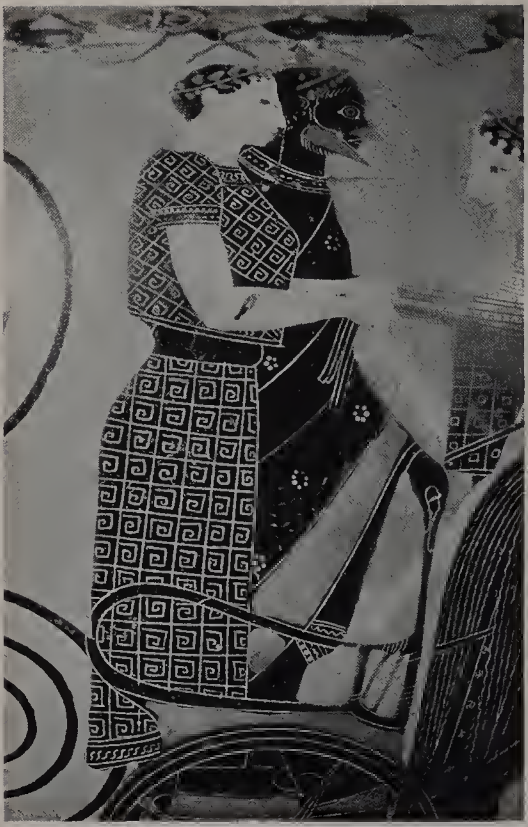


Fig. 277. Detail of an amphora
Metropolitan Museum of Art
(Cf. p. 95)

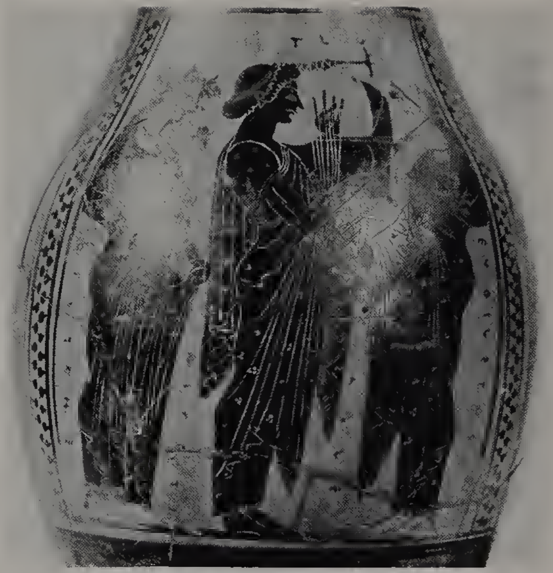


Fig. 278. Detail of an oinochoë
Metropolitan Museum of Art
(Cf. p. 95)

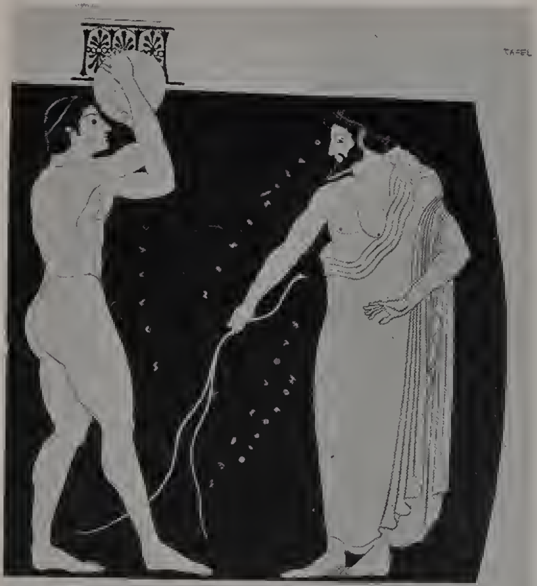


Fig. 279. Detail of an amphora
Museum für antike Kleinkunst, Munich
(Cf. p. 96)

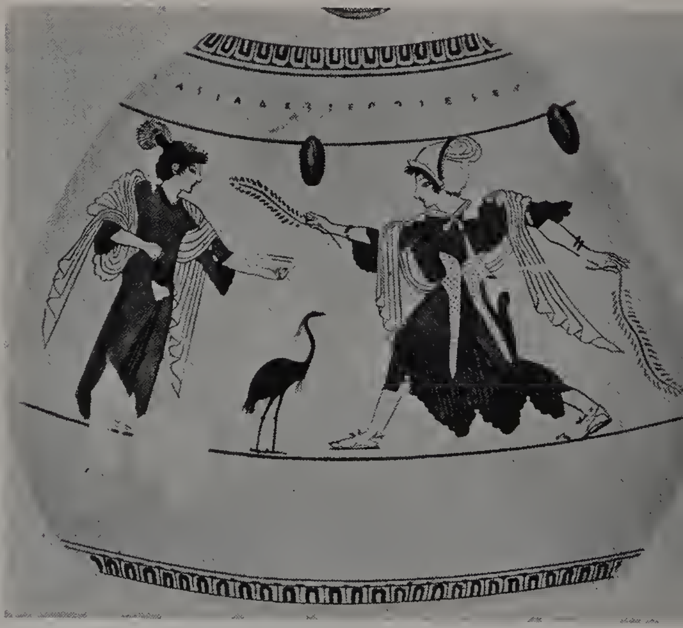


Fig. 280. Scene from an alabastron
British Museum, London
(Cf. p. 95)

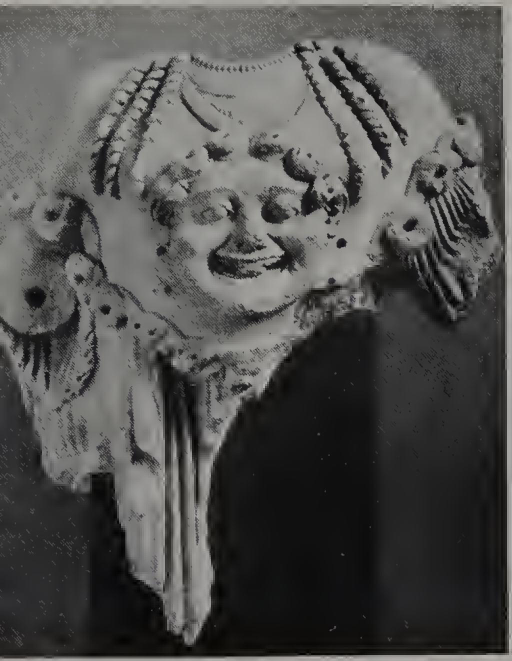


Fig. 281. Athena, from Eretria
Chalkis Museum
(Cf. p. 96)

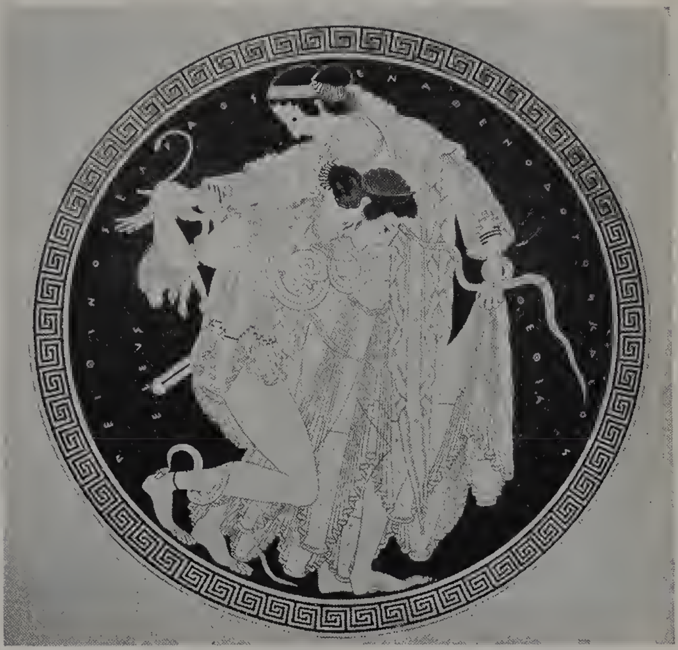


Fig. 282. Peleus and Thetis, from a kylix
Staatliche Museen, Berlin
(Cf. p. 96)

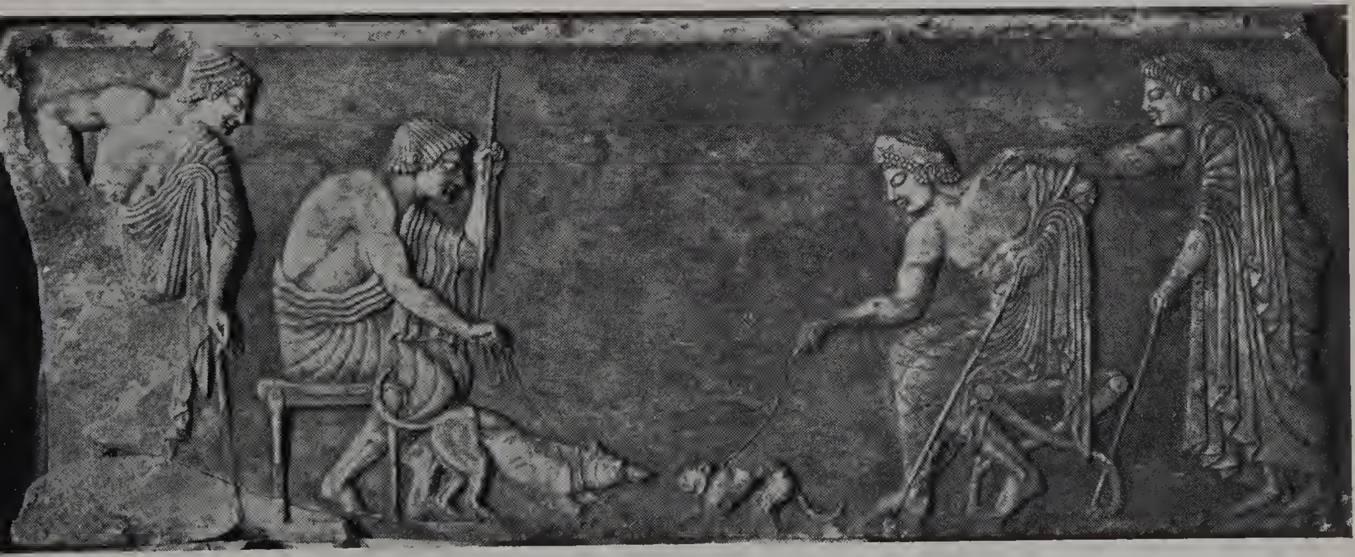


Fig. 283. Relief from a statue base found in Athens
National Museum, Athens
(Cf. pp. 95, 114)

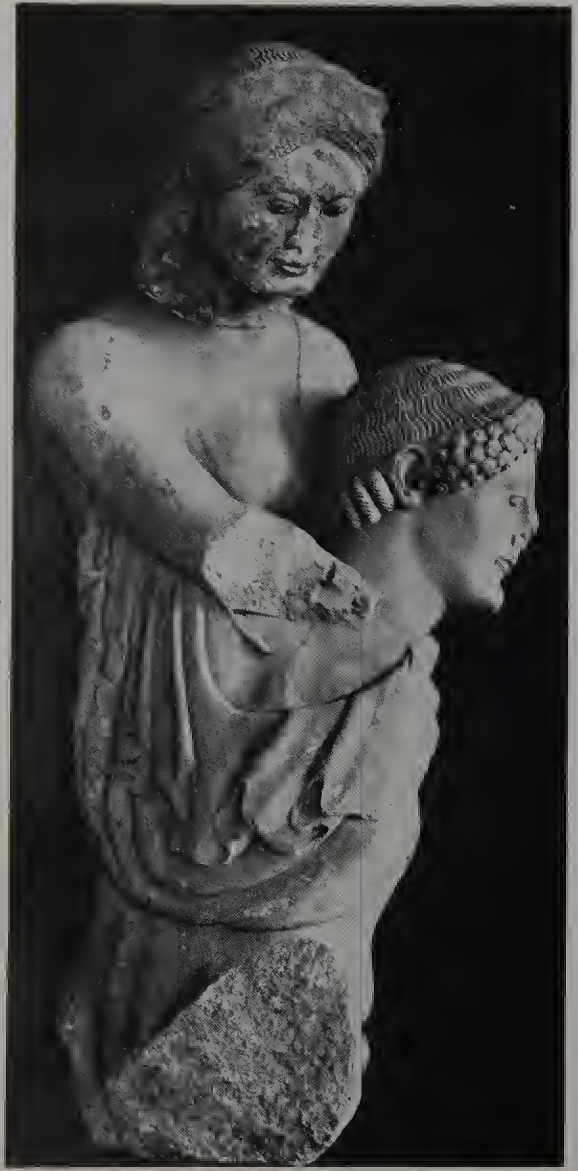


Fig. 284. Theseus and Antiope, from Eretria
Chalkis Museum
(Cf. p. 96)

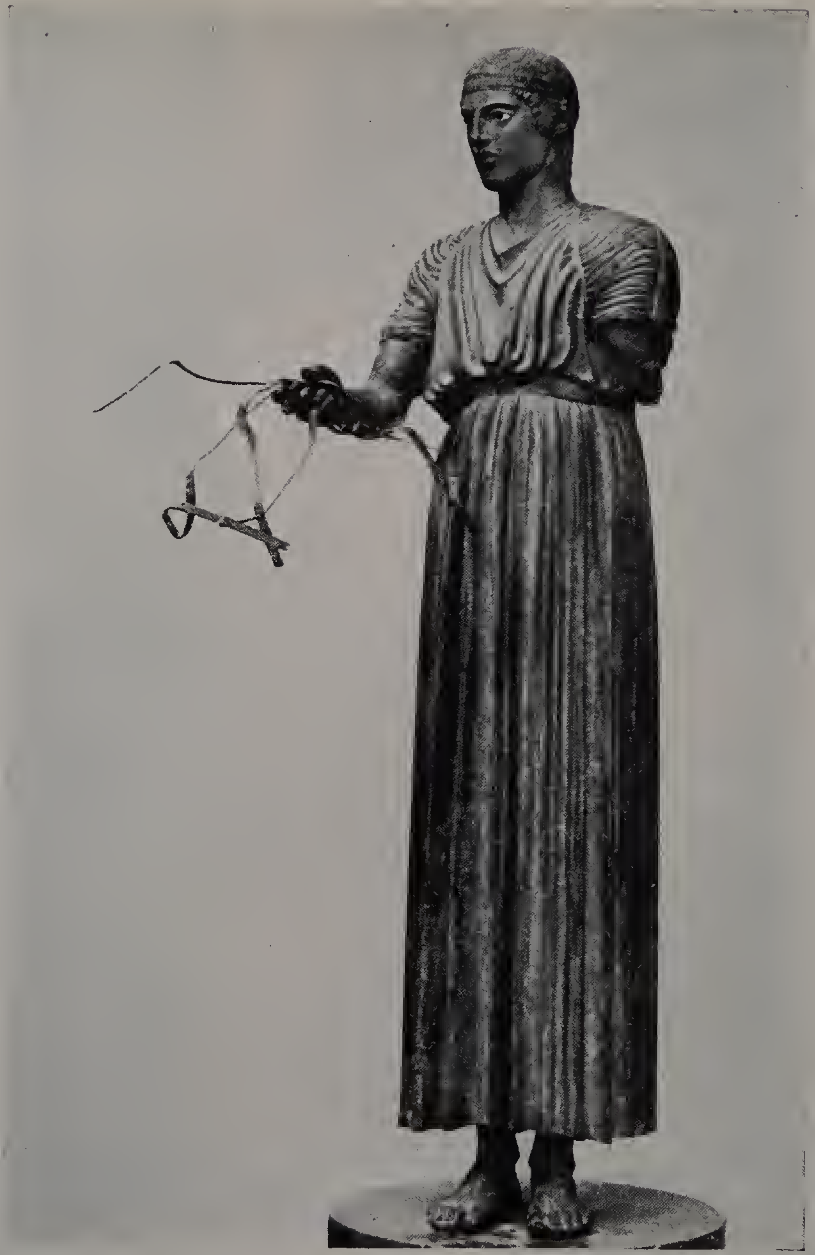


Fig. 285. Bronze statue of a charioteer
Delphi Museum
(Cf. pp. 41, 96)

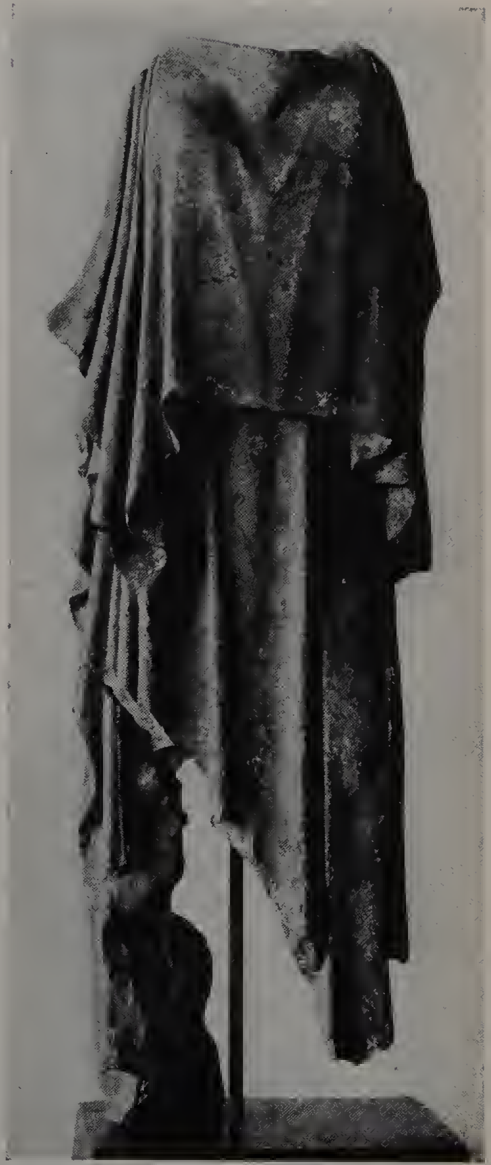


Fig. 286. Large terracotta statuette
Metropolitan Museum of Art
(Cf. p. 96)

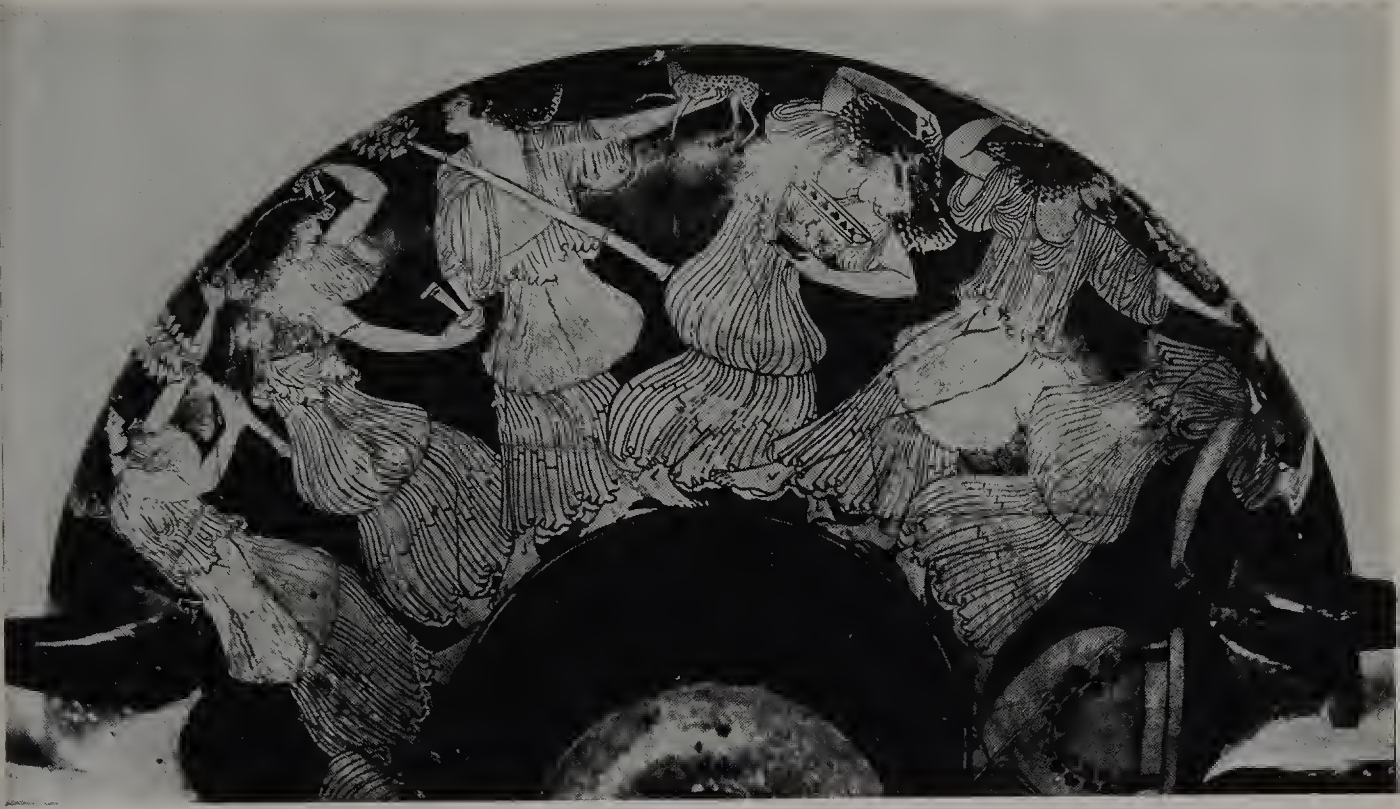


Fig. 287. Maenads, on a kylix
Staatliche Museen, Berlin
(Cf. p. 97)

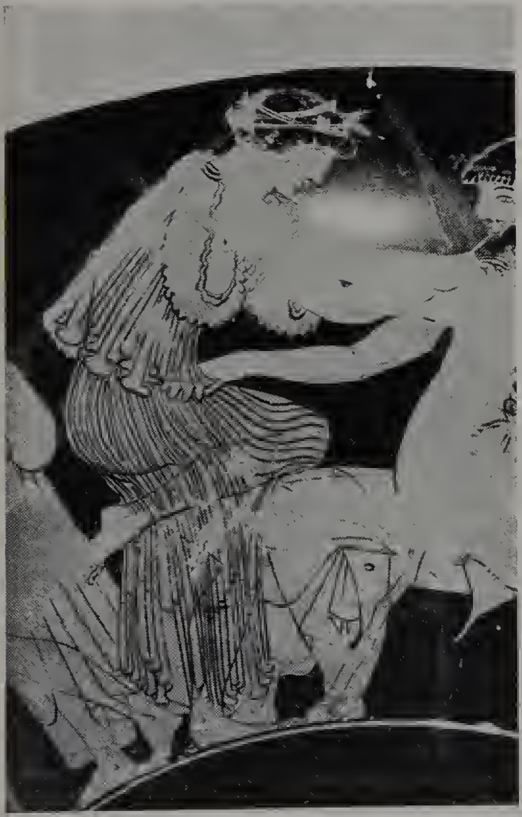


Fig. 288. Detail of a kylix
Metropolitan Museum of Art
(Cf. p. 97)

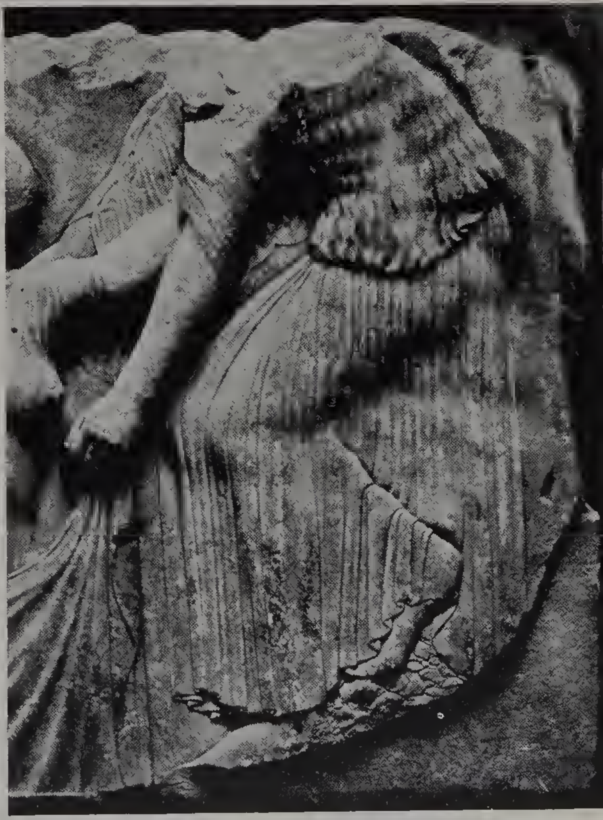
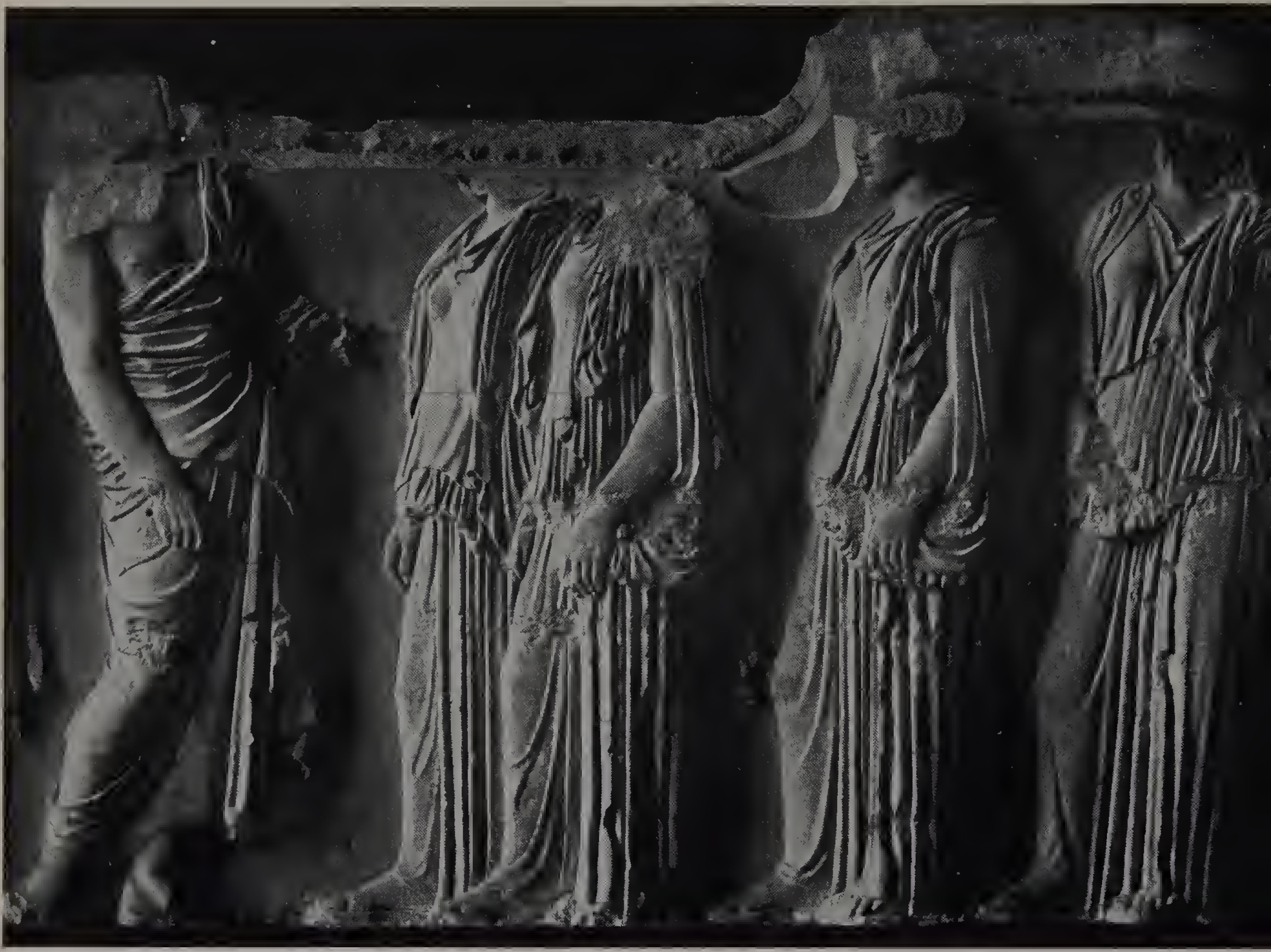
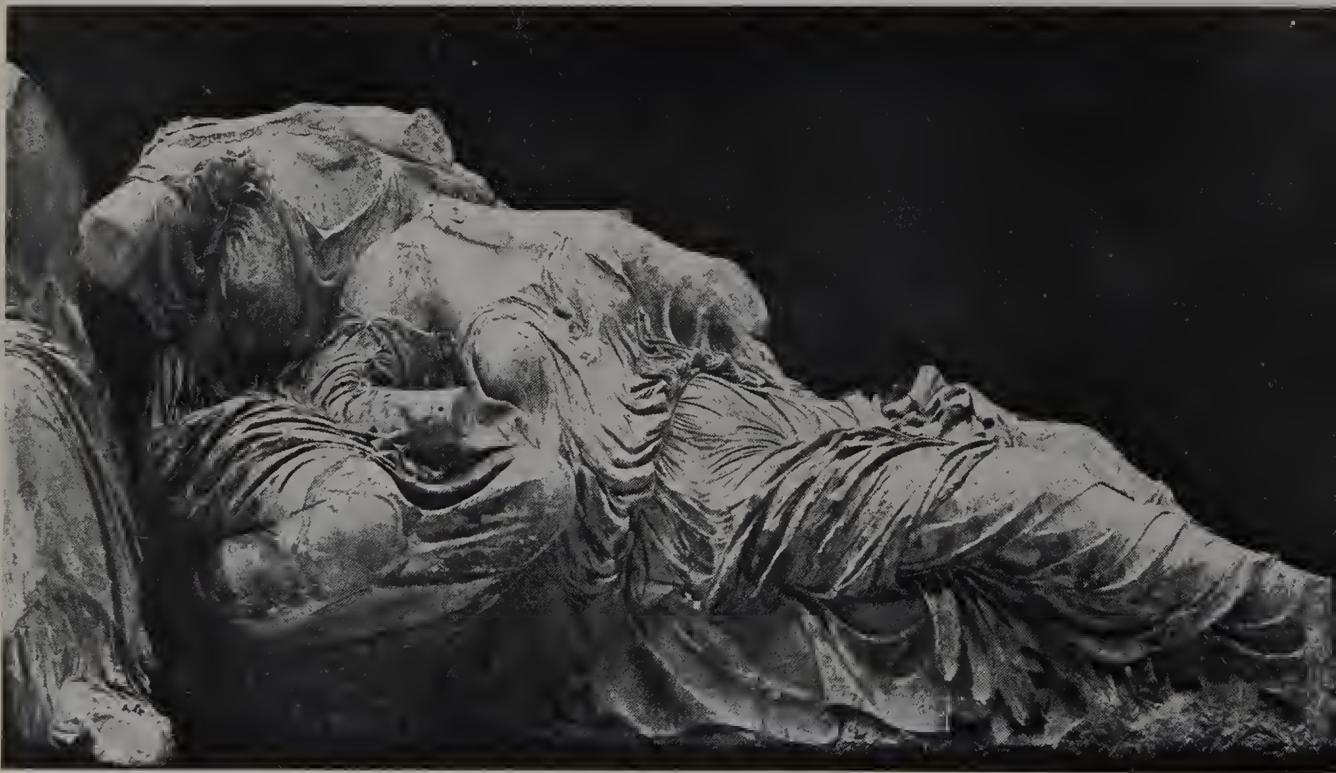


Fig. 289. Detail from a relief
Museo Nazionale delle Terme, Rome
(Cf. p. 97)



Photograph by Archives Photographiques, Paris

Fig. 291. Maidens marching in procession, from the Parthenon frieze (cf. pp. 98, 130)
The Louvre, Paris



Photograph by W. F. Mansell

Fig. 292. Two of the "Fates," from the eastern pediment of the Parthenon (cf. pp. 98 f.)
British Museum, London

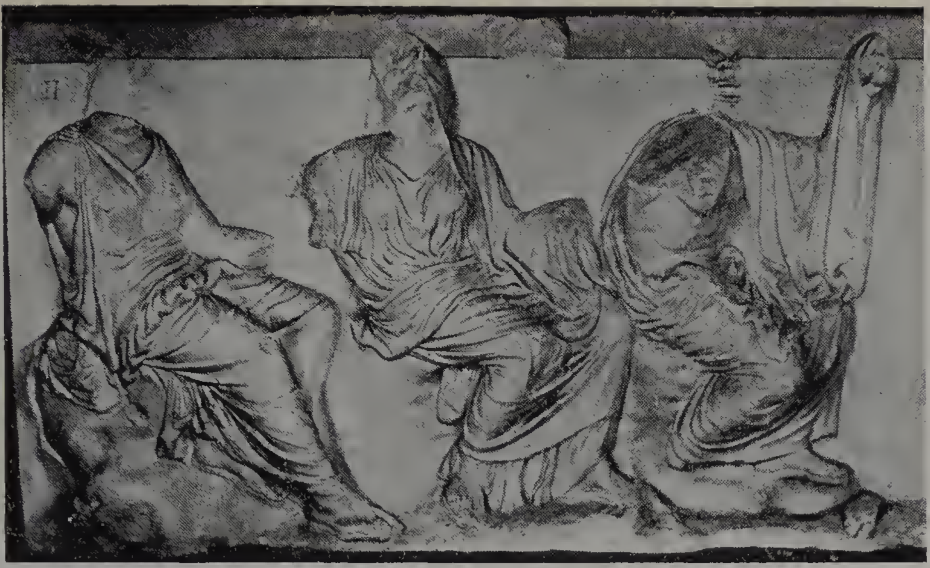


Fig. 293. Seated deities, from the frieze of the "Theseion" (from a cast)
In situ
(Cf. p. 99)

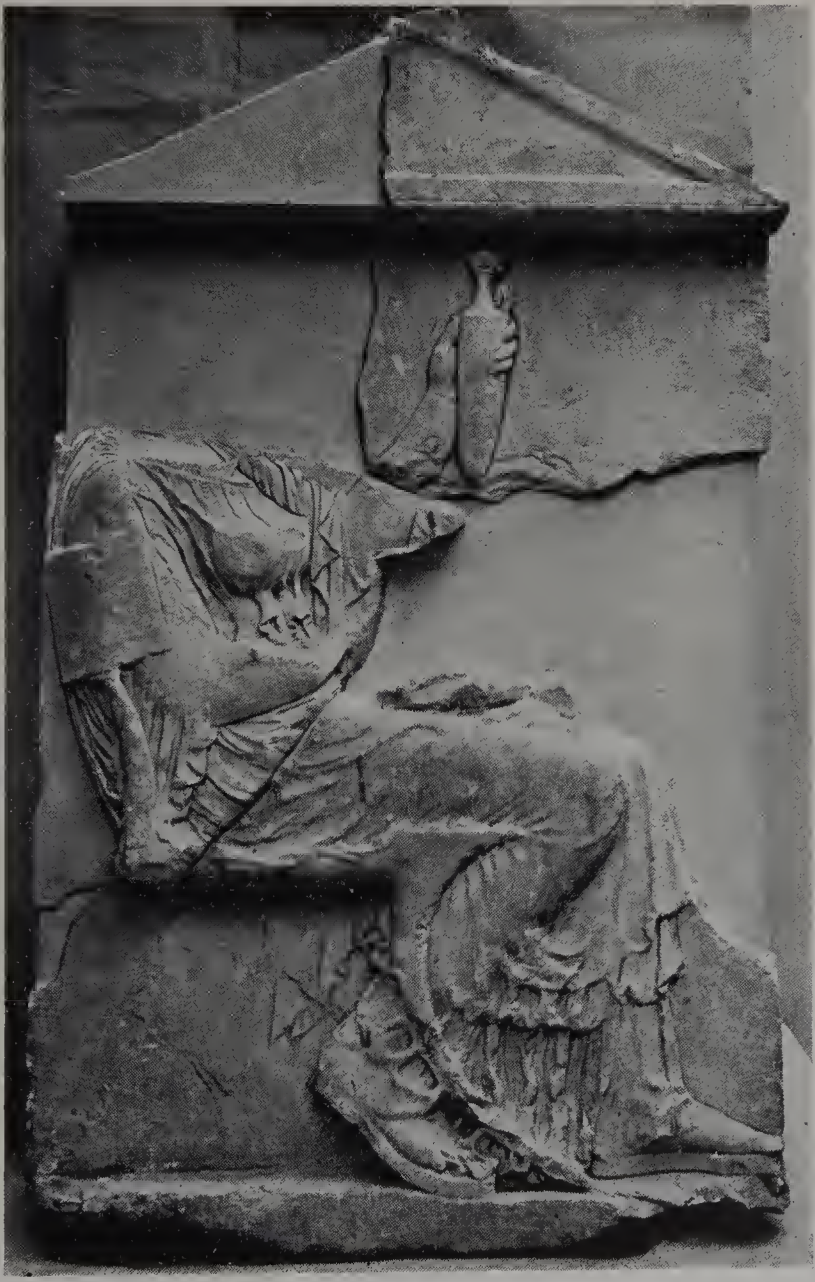
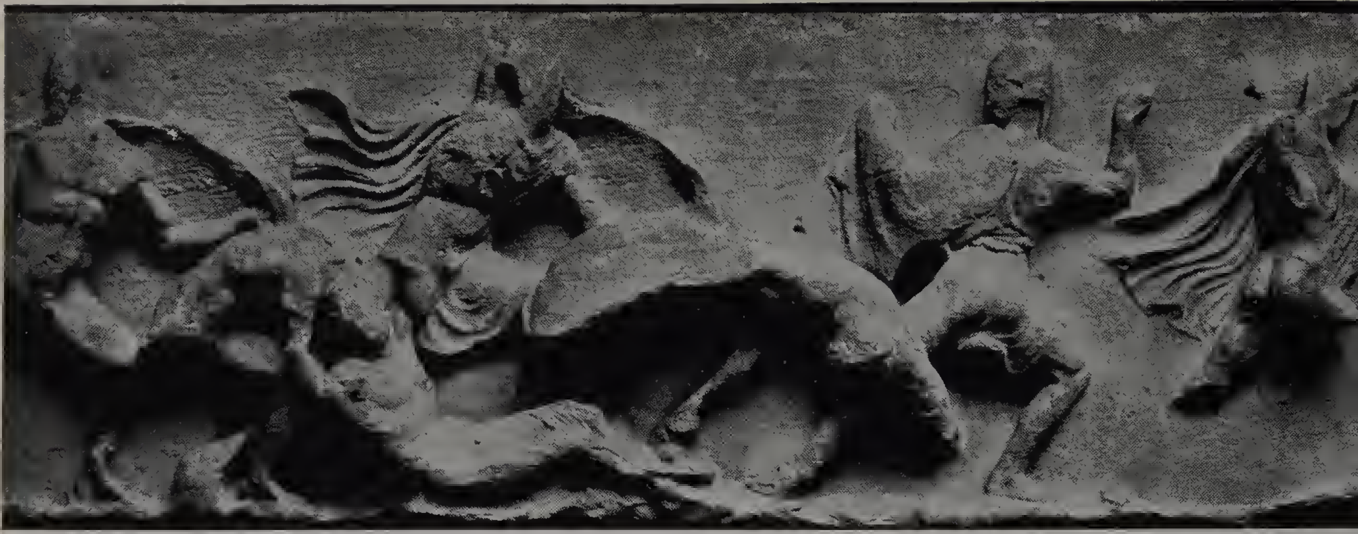


Fig. 294. Stele of a woman
Metropolitan Museum of Art
(Cf. p. 99)



Photograph by W. F. Mansell

Fig. 295. Battle of the Greeks and Persians, from the frieze of the temple of Athena Nike (cf. p. 102)

British Museum, London

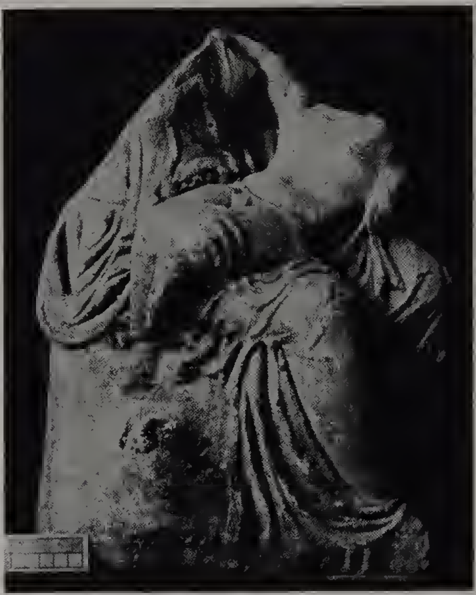


Fig. 296. Group from the frieze of the Erechtheion (cf. p. 101)

Akropolis Museum, Athens

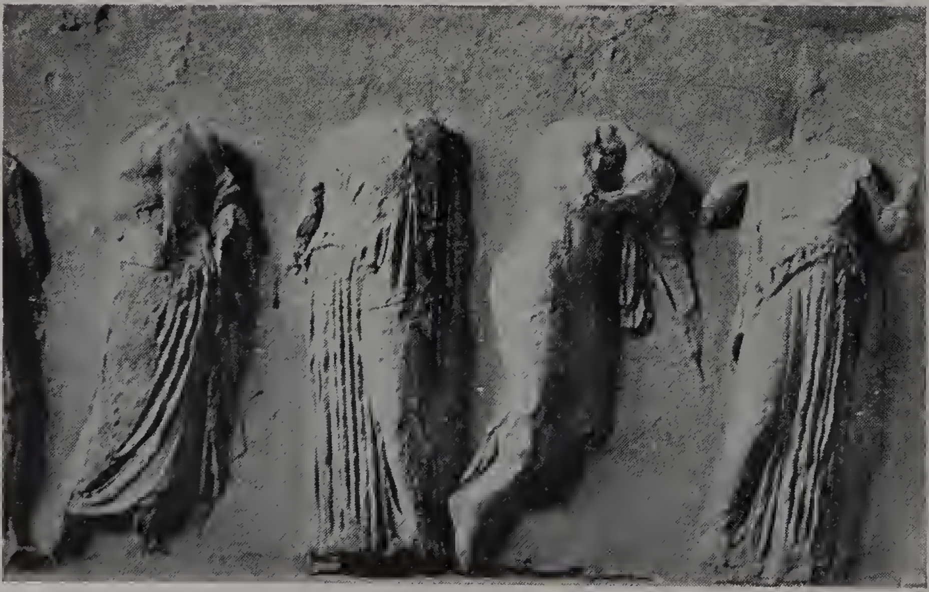


Fig. 297. Standing deities from the frieze of the temple of Athena Nike (from a cast) (cf. p. 101)

In situ

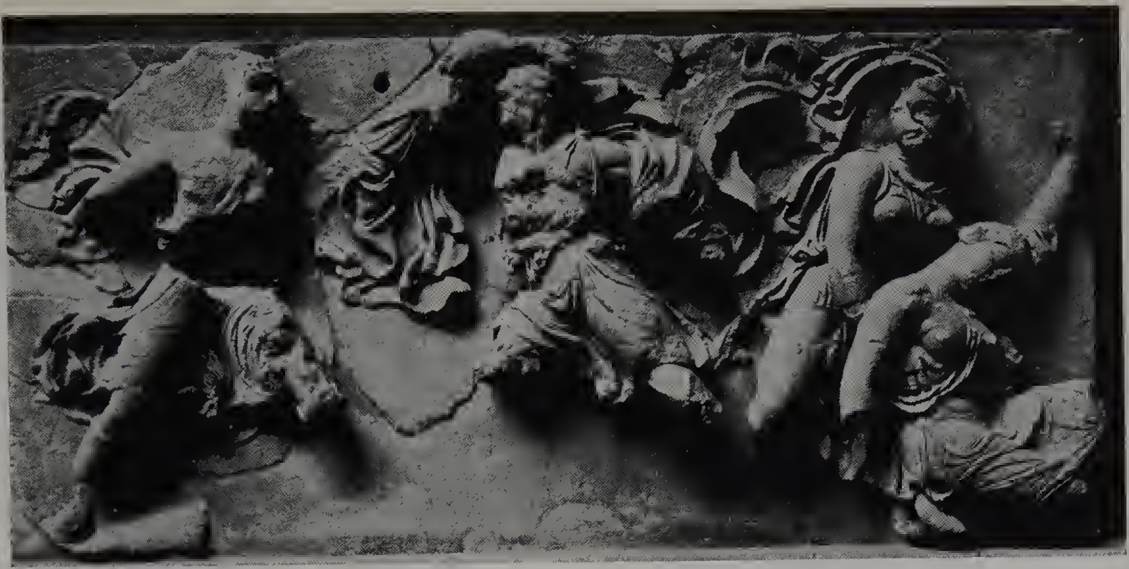


Fig. 298. Contest of Greeks and Amazons, from the Phigaleia frieze
British Museum, London
(Cf. pp. 102, 172)

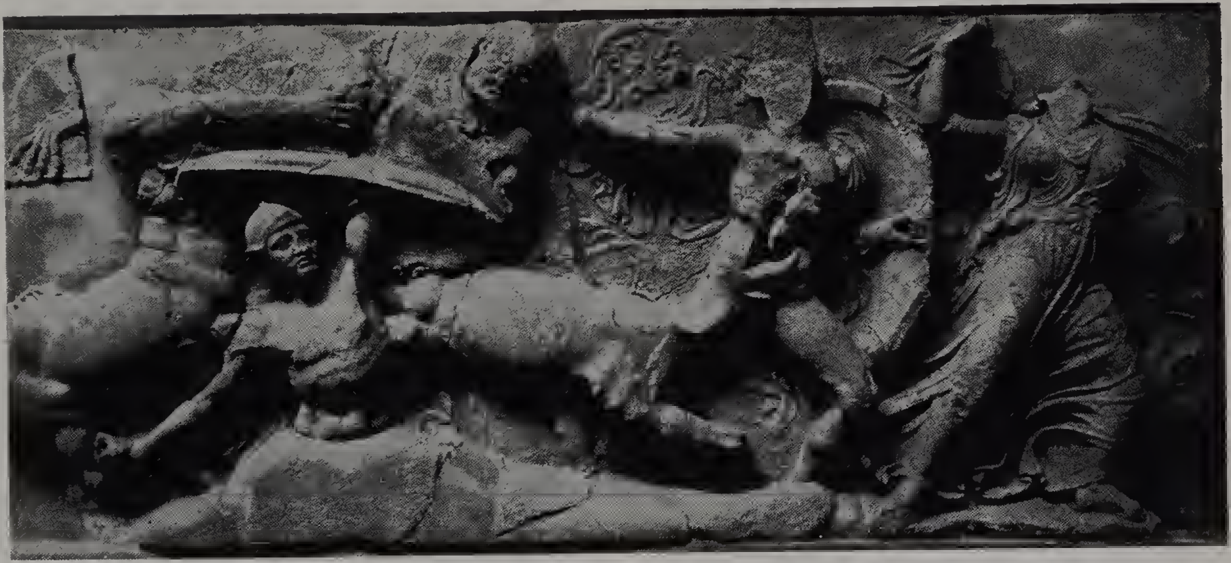


Fig. 299. Contest of Centaurs and Lapiths, from the frieze shown in Fig. 298
British Museum, London

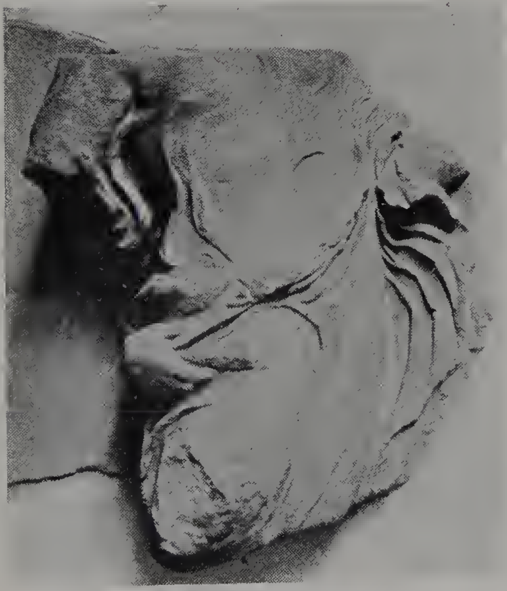


Fig. 300. Metope of the Phigaleia temple
British Museum, London
(Cf. p. 102)

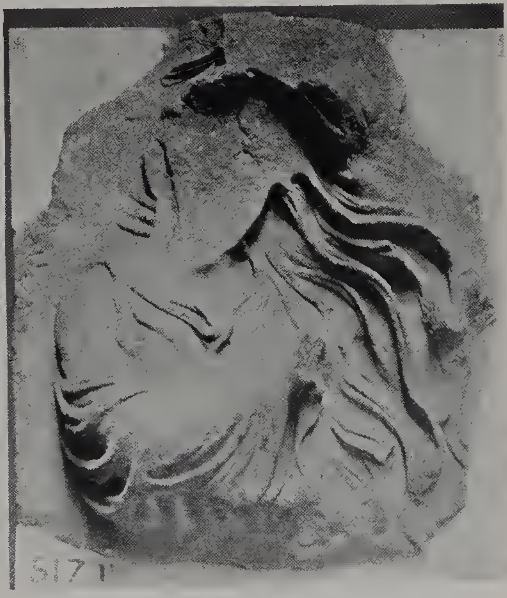
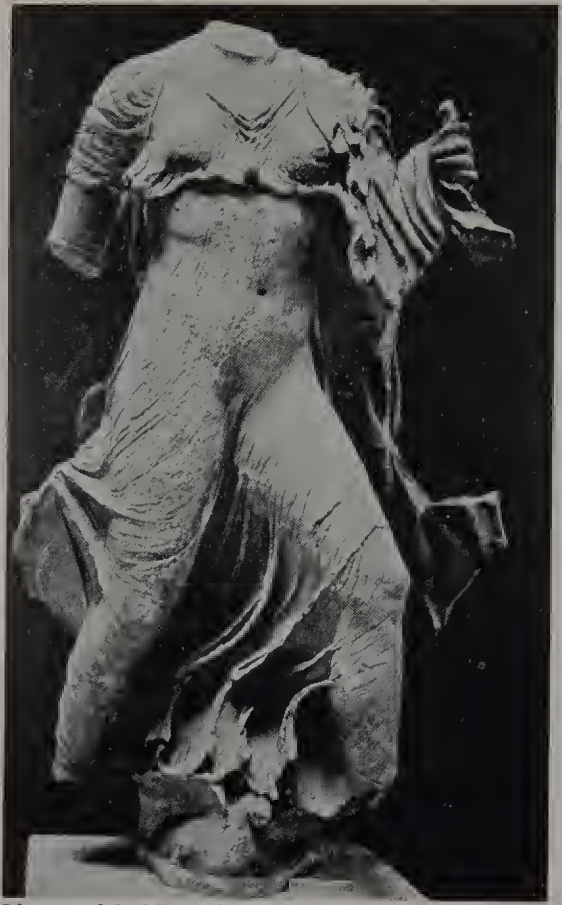


Fig. 301. Metope of the Phigaleia temple
British Museum, London
(Cf. p. 102)



Photograph by W. F. Mansell

Fig. 302. Nereid from the Nereid monument

British Museum, London

(Cf. p. 102)

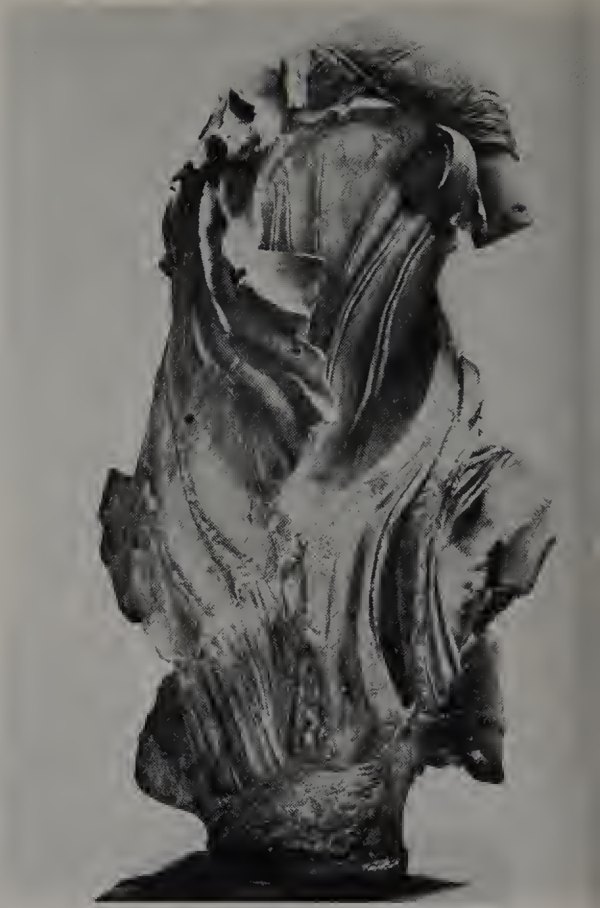
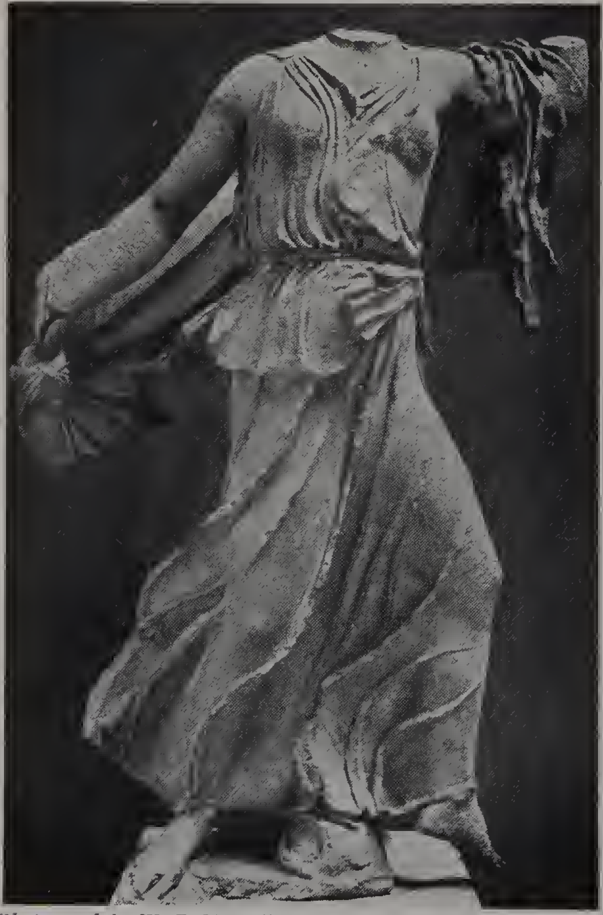


Fig. 303. Back view of Fig. 302



Photograph by W. F. Mansell

Fig. 304. Nereid from the Nereid monument

British Museum, London

(Cf. p. 102)

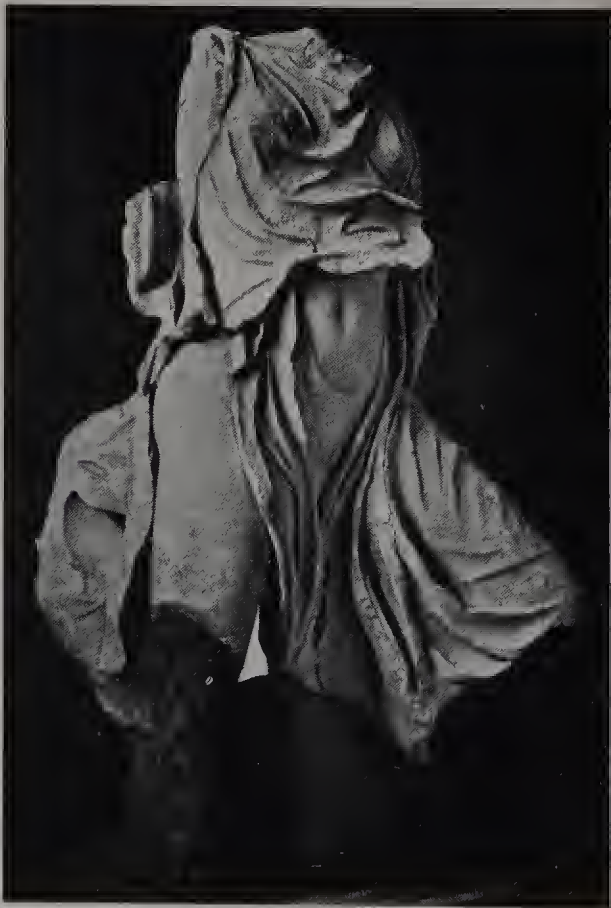


Fig. 305. Nike found on the Palatine

The Palatine, Rome

(Cf. p. 103)

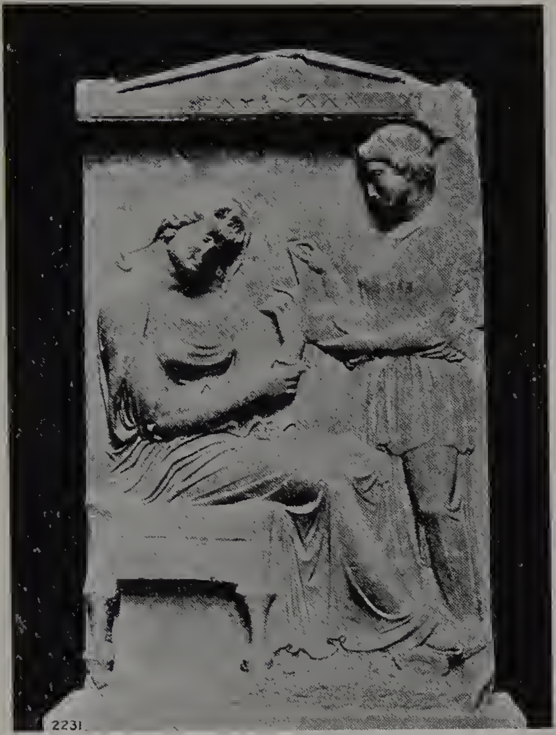


Fig. 306. Stele of Glykylla
British Museum, London
(Cf. pp. 103, 133)

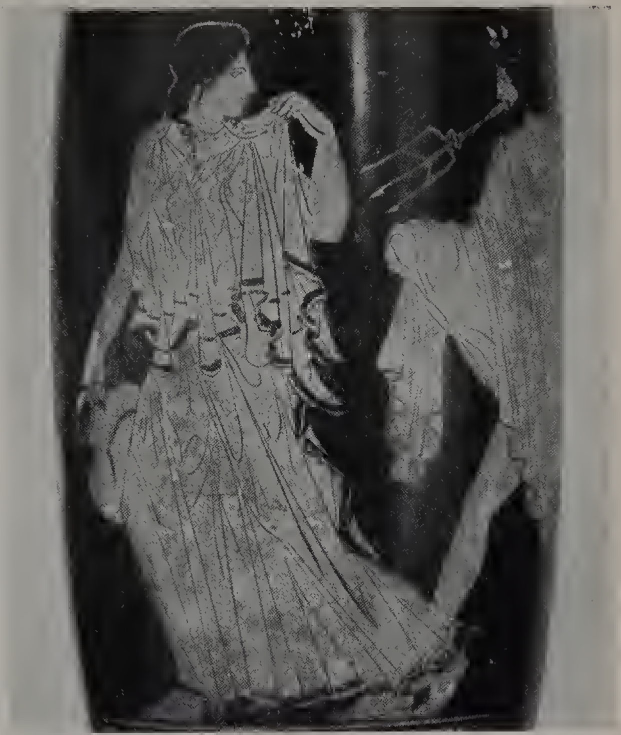


Fig. 307. Amymone, from a lekythos
Metropolitan Museum of Art
(Cf. p. 103)

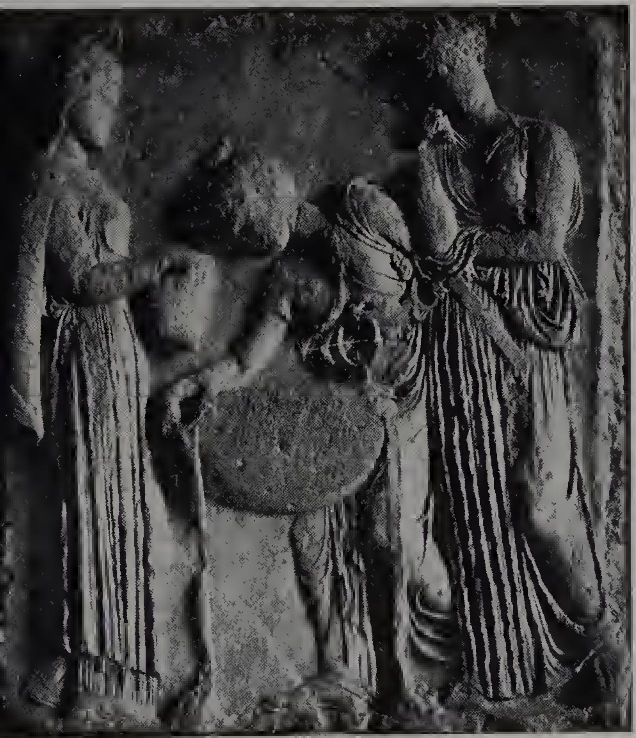


Fig. 308. Medea and the daughters of Pelias
The Lateran, Rome
(Cf. p. 103)

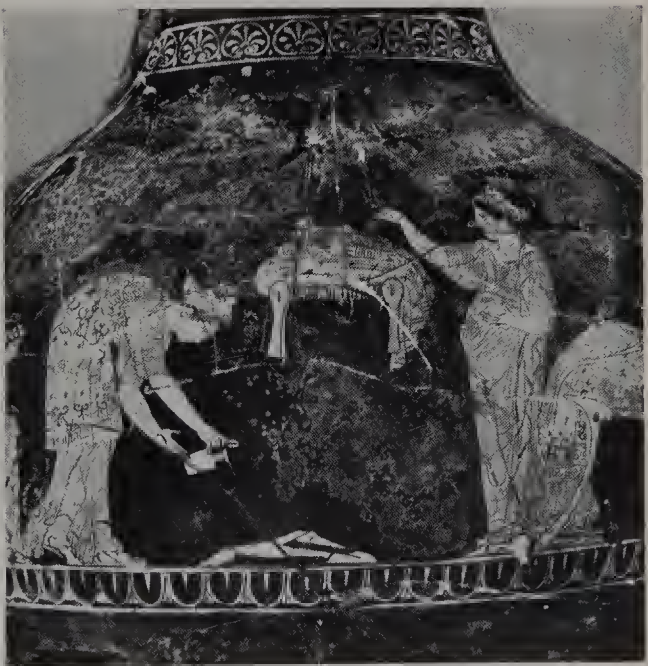


Fig. 309. Scene from an oinochoë
Metropolitan Museum of Art
(Cf. pp. 91, 104)

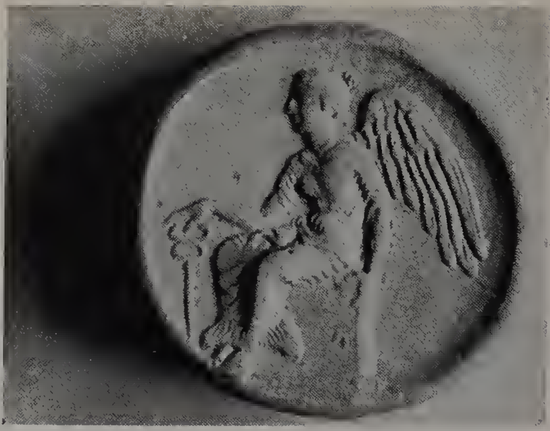


Fig. 310. Nymph, from a coin of Terina (from a cast, enlarged)
Morgan Loan Collection, American Numismatic Society
(Cf. p. 103)

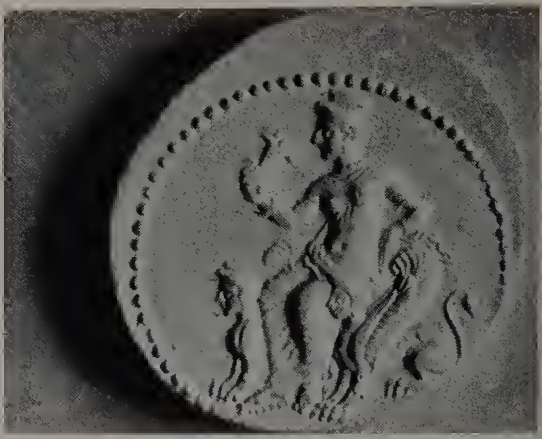


Fig. 311. Aphrodite, from a silver coin of Aphrodisias (?) (from a cast, enlarged)
British Museum, London
(Cf. p. 104)

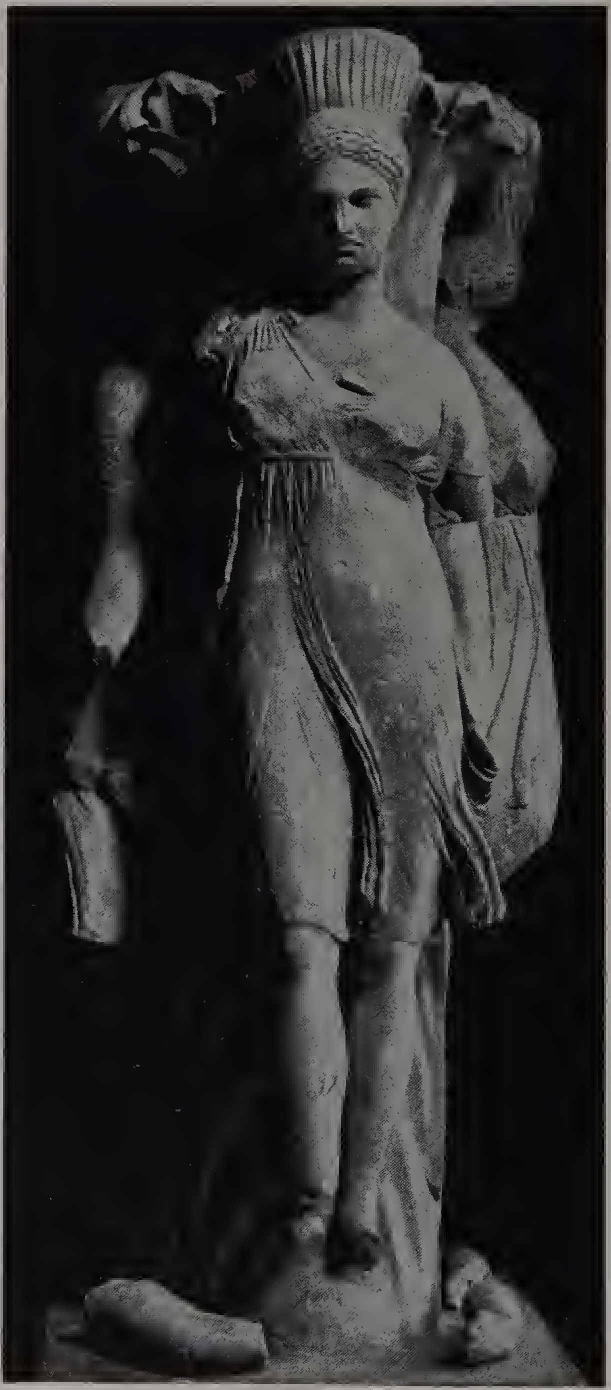
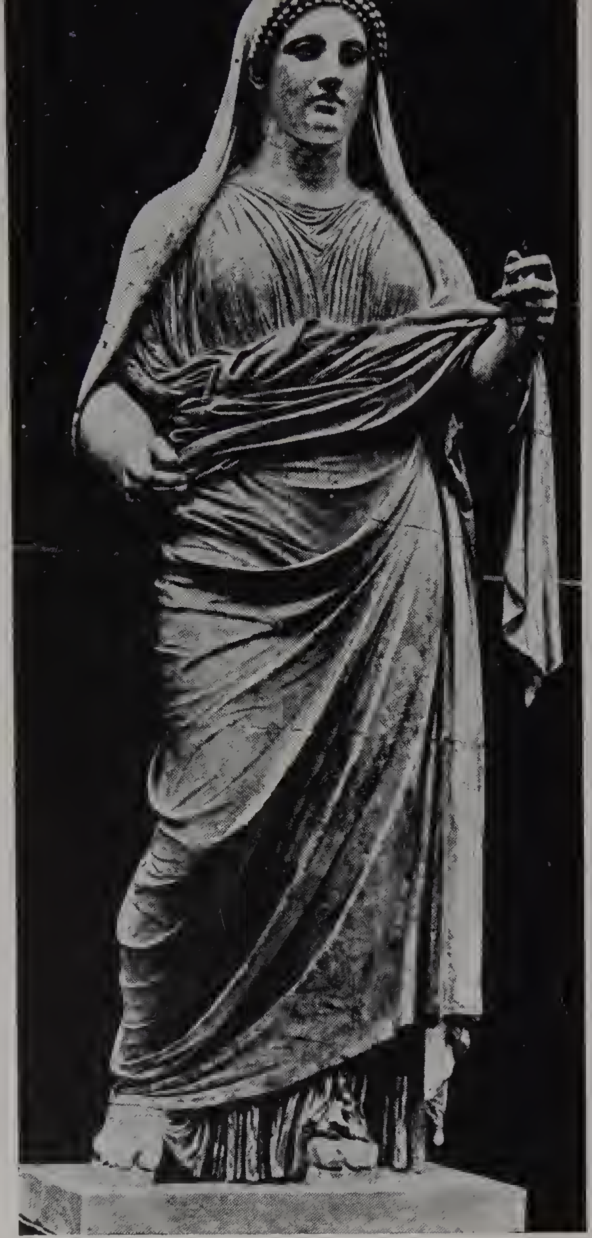


Fig. 312. Dancing women from the Delphian column
Delphi Museum
(Cf. p. 104)



Photograph by W. F. Mansell

Fig. 313. Artemisia, from the Mausoleum at Halikarnassos (cf. p. 104)

British Museum, London

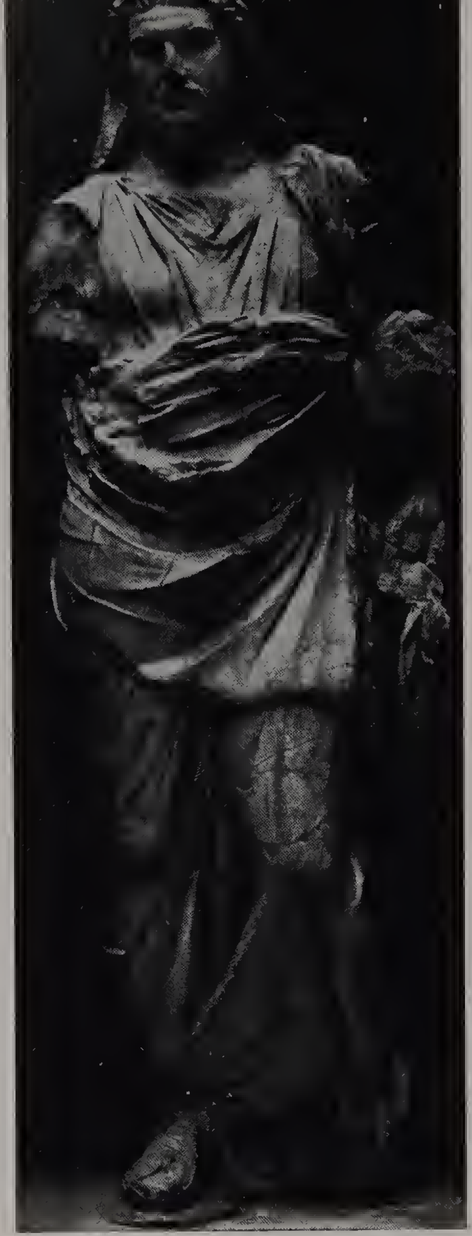
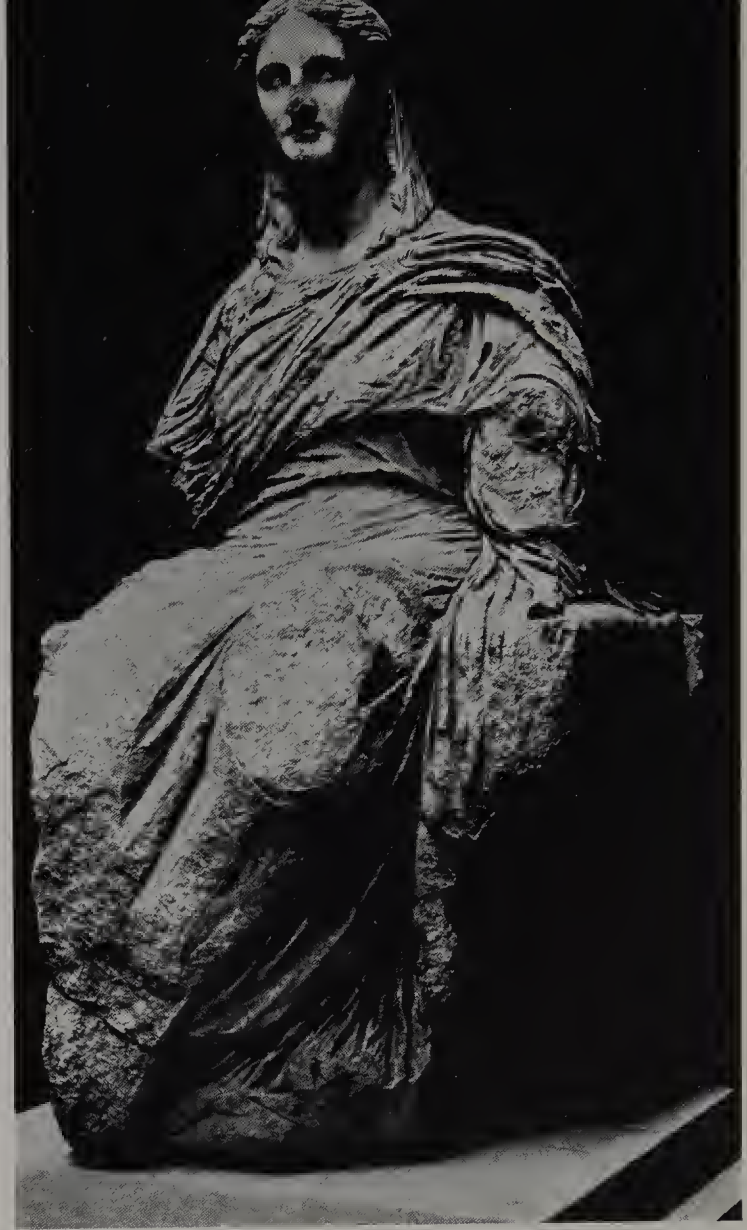


Fig. 314. Maussollos, from the Mausoleum at Halikarnassos

British Museum, London

(Cf. p. 104)



Photograph by W. F. Mansell

Fig. 315. Demeter, from Knidos (cf. pp. 104, 147)

British Museum, London

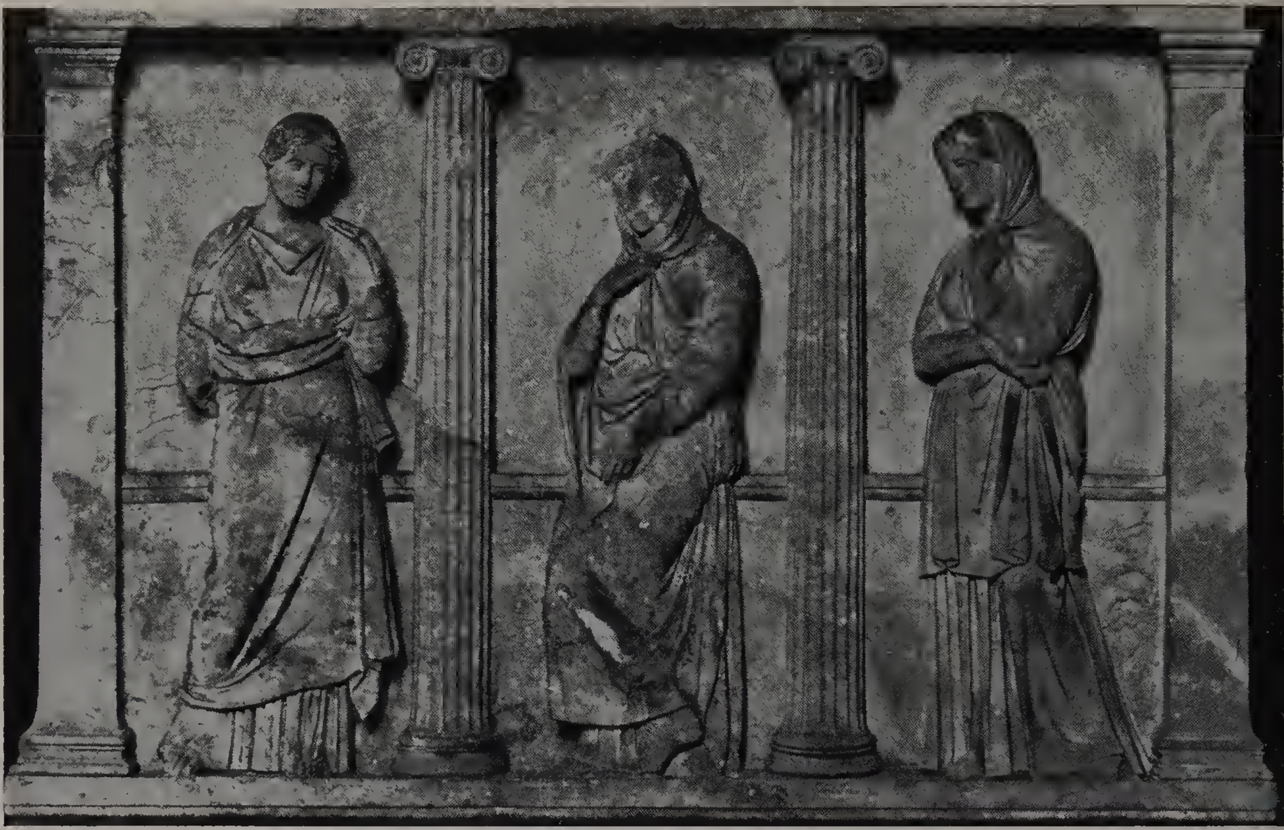


Fig. 316. Sarcophagus of Mourning Women, from Sidon (cf. pp. 105, 131)
Musées d'Antiquités de Stamboul (Constantinople)

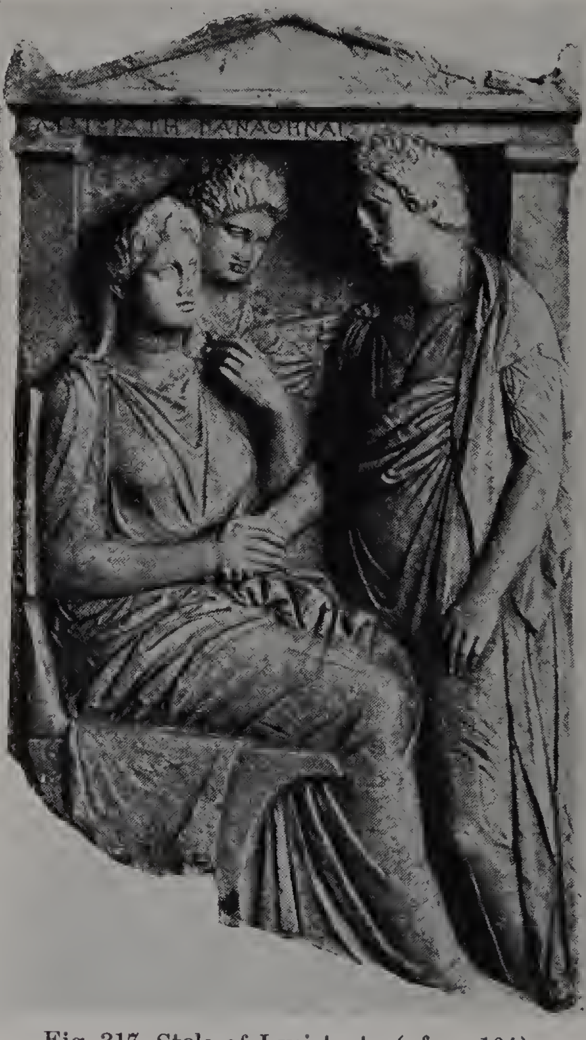


Fig. 317. Stele of Lysistrate (cf. p. 104)
Metropolitan Museum of Art

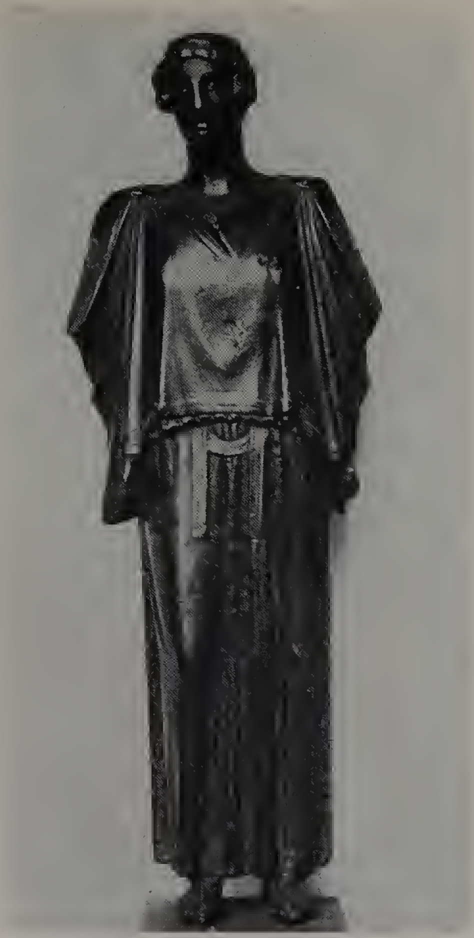


Fig. 318. Bronze statuette of a woman
Bibliothèque Nationale, Paris
(Cf. p. 105)

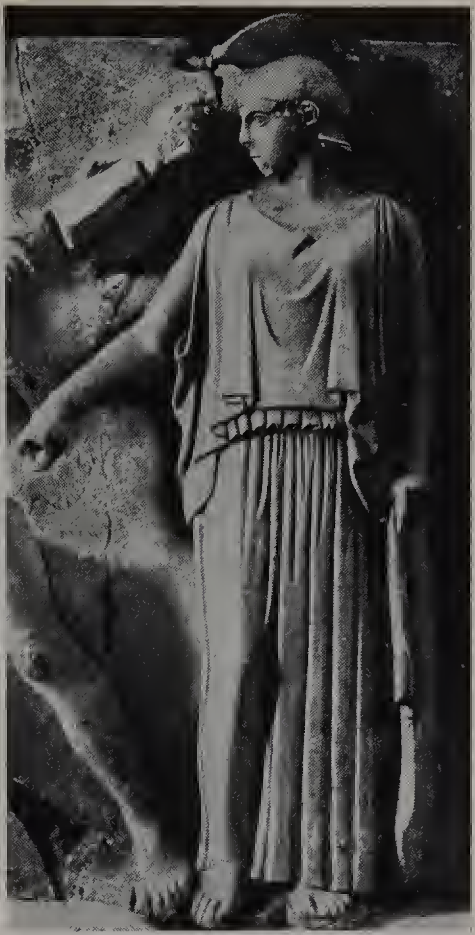


Fig. 319. Athena, from a metope of the temple of Zeus at Olympia (cf. p. 105)
Olympia Museum

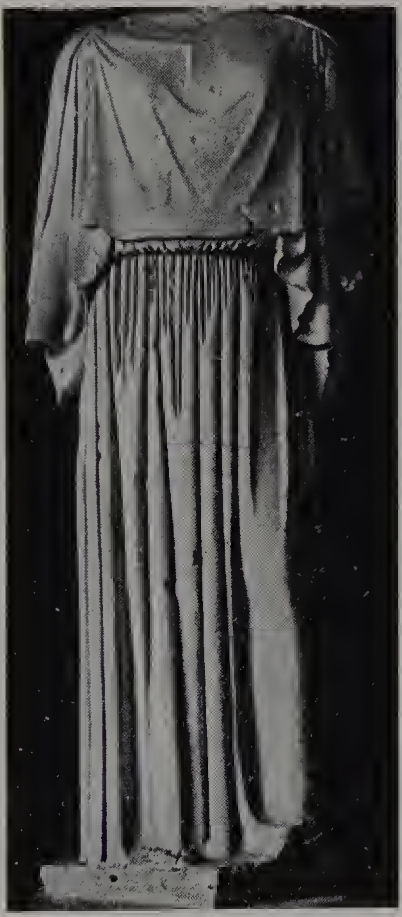


Fig. 320. Draped woman (cf. p. 105)
Glyptotek Ny Carlsberg, Copenhagen

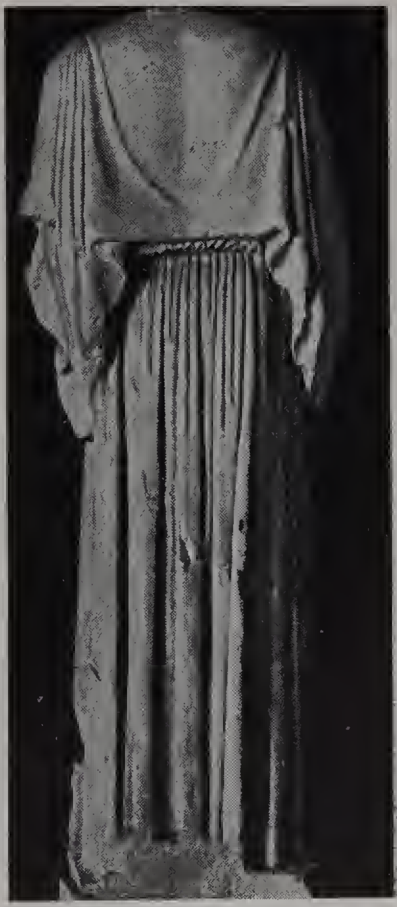


Fig. 321. Back view of Fig. 320

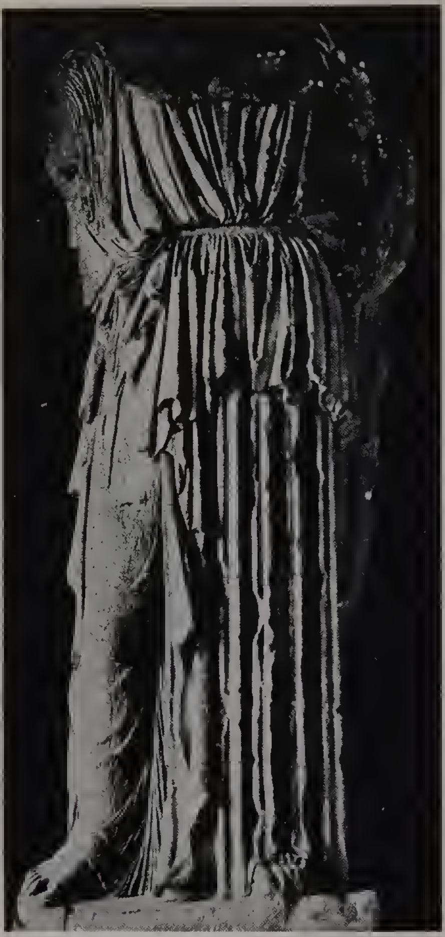


Fig. 322. "Athena Medici"
The Louvre, Paris
(Cf. pp. 105, 226)

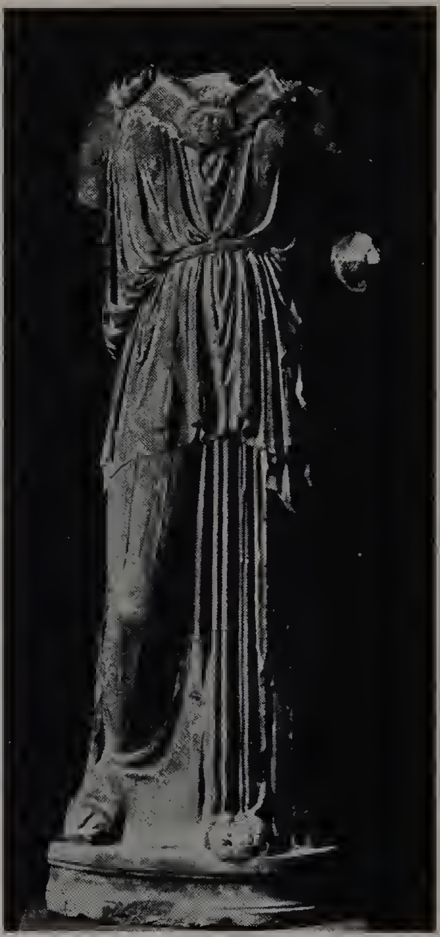


Fig. 323. Athena
Museo Archeologico, Venice
(Cf. p. 105)

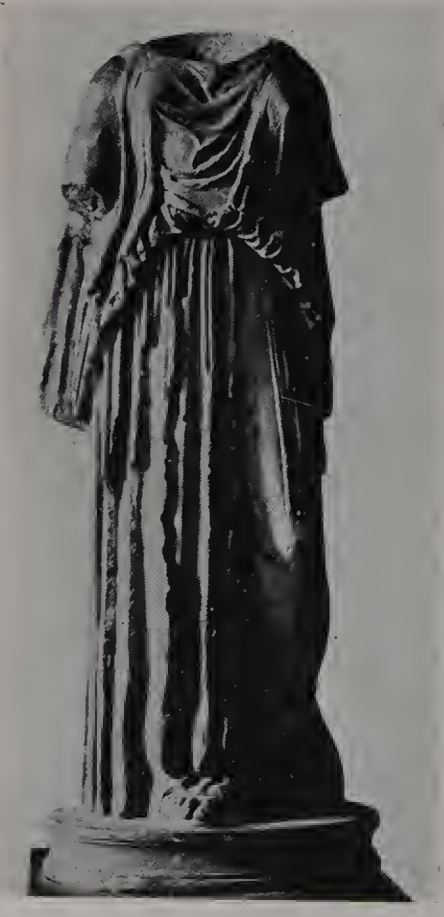


Fig. 324. Draped woman
Museo Archeologico, Venice
(Cf. p. 105)

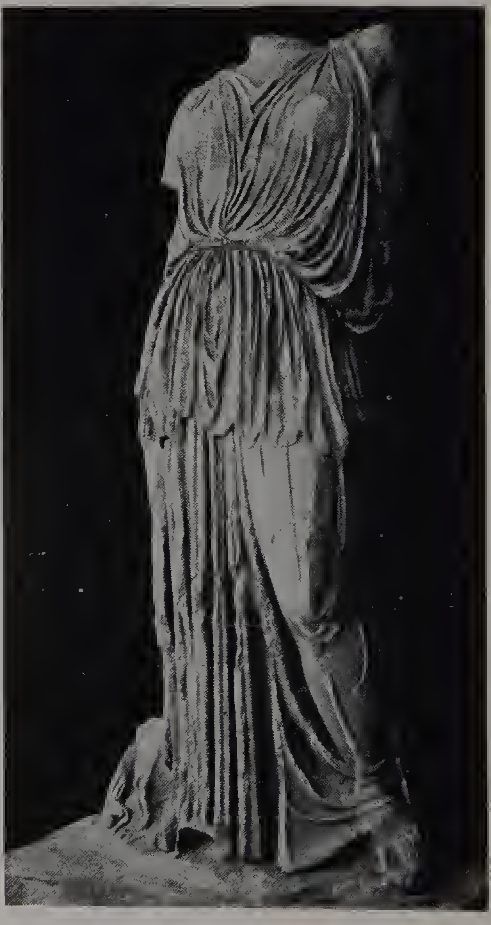


Fig. 325. Draped woman
Eleusis Museum
(Cf. p. 106)

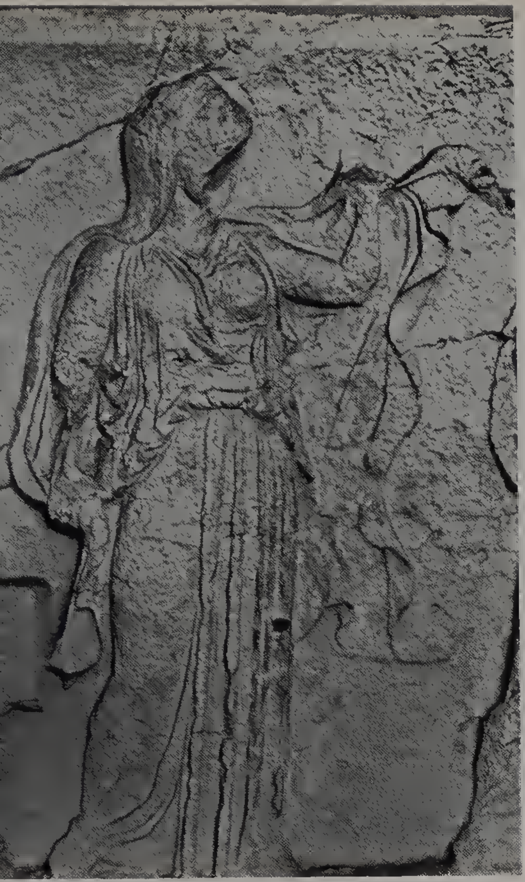


Fig. 326. Detail from the frieze of the Heroön at Gjölbaschi (from a cast)
Kunsthistorisches Museum, Vienna
(Cf. p. 106)

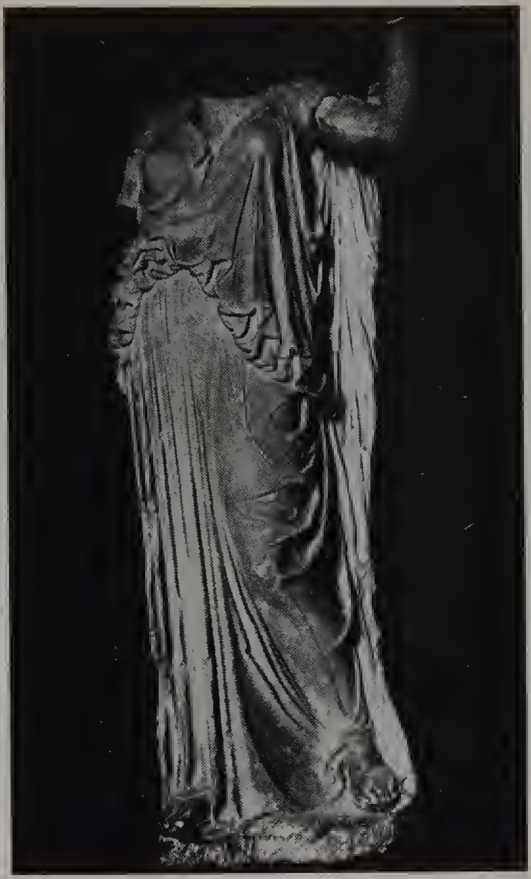


Fig. 327. Draped woman
Museo Archeologico, Venice
(Cf. p. 106)

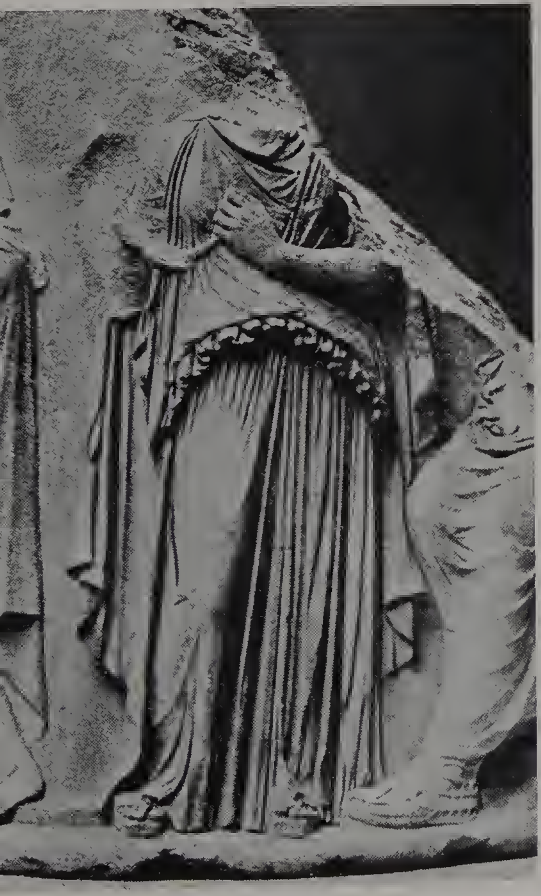


Fig. 328. Detail from the Ephesos drum
British Museum, London
(Cf. p. 106)

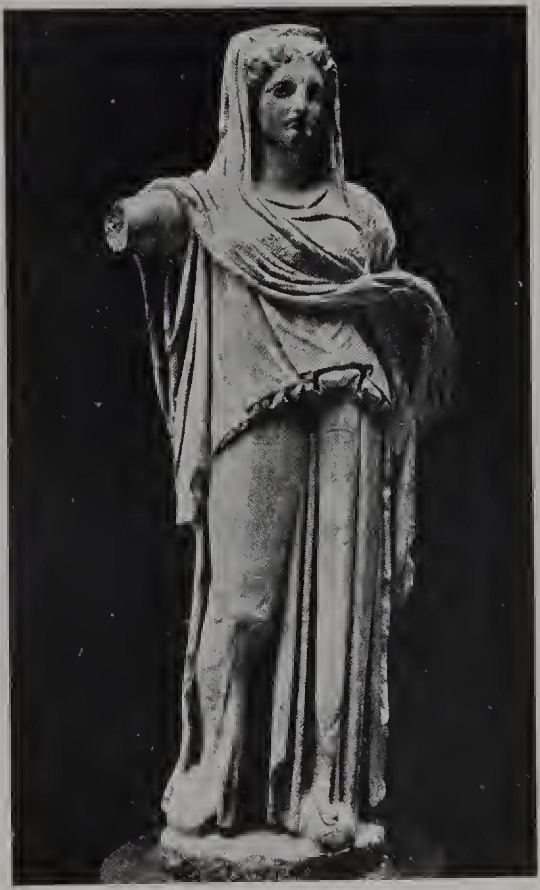


Fig. 329. Draped woman
Museo Archeologico, Venice
(Cf. p. 106)

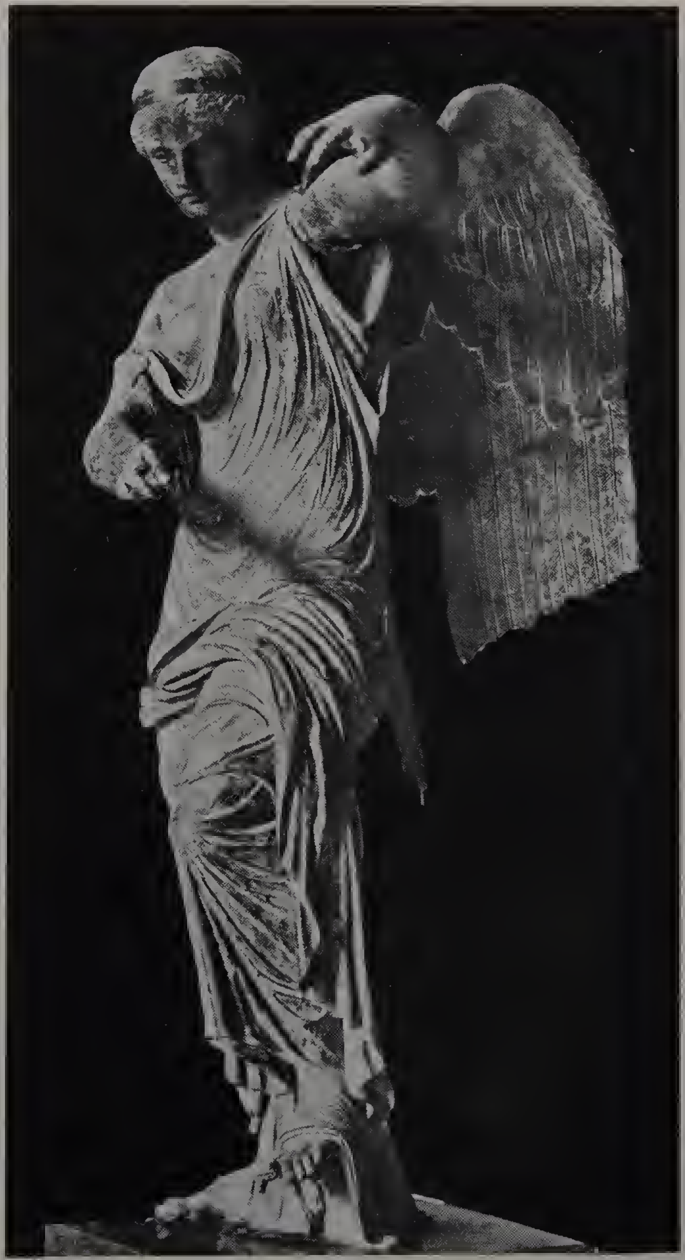


Fig. 330. Nike of Brescia (cf. p. 106)

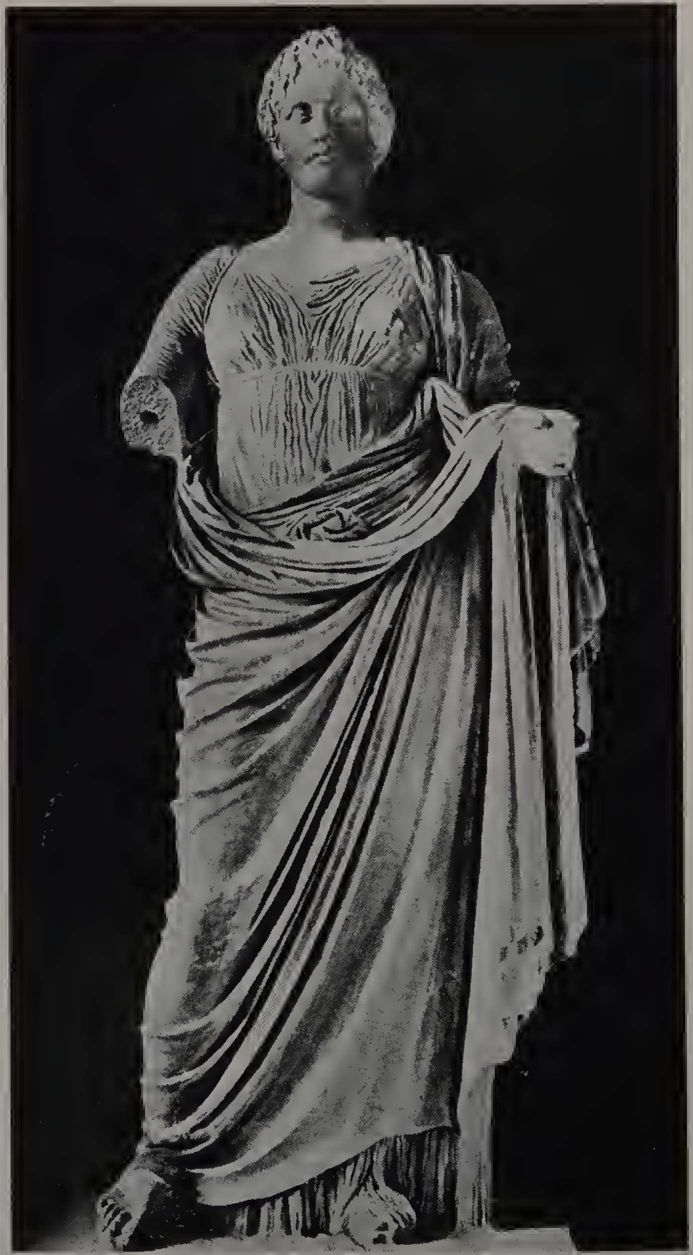


Fig. 331. Themis, from Rhamnous (cf. p. 107)

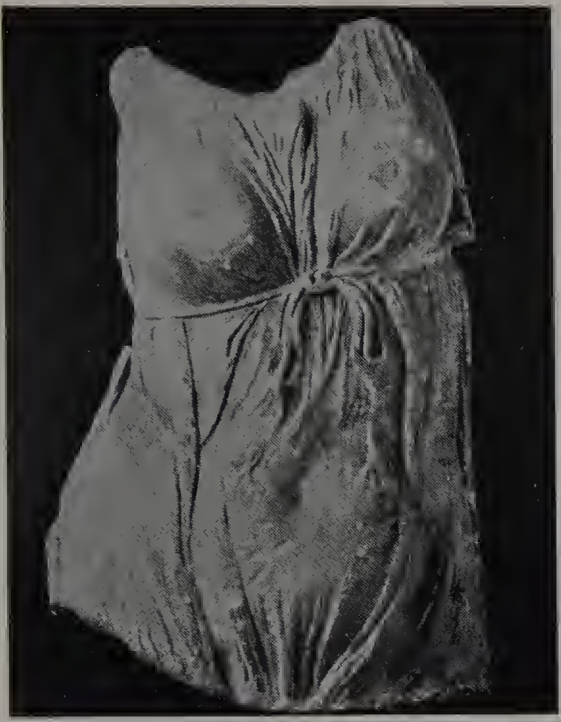


Fig. 332. Torso of a draped woman
Museum of Fine Arts, Boston
(Cf. p. 107)

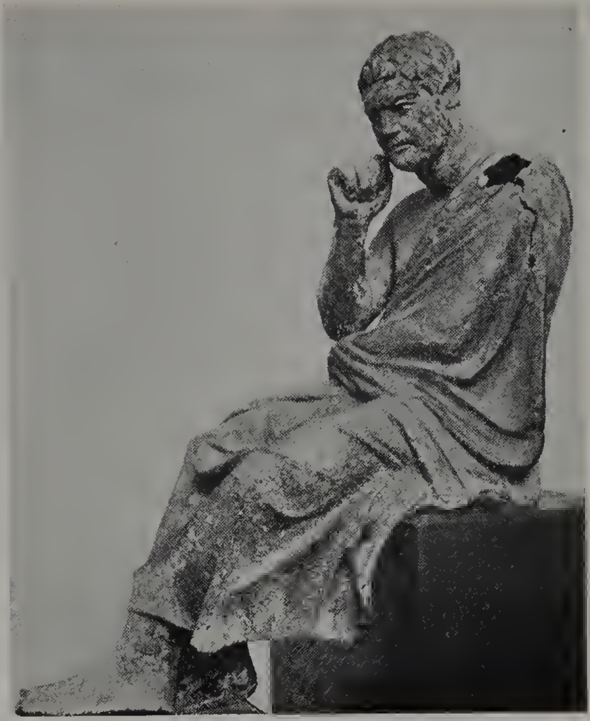


Fig. 333. Bronze portrait statue
British Museum, London
(Cf. p. 108)

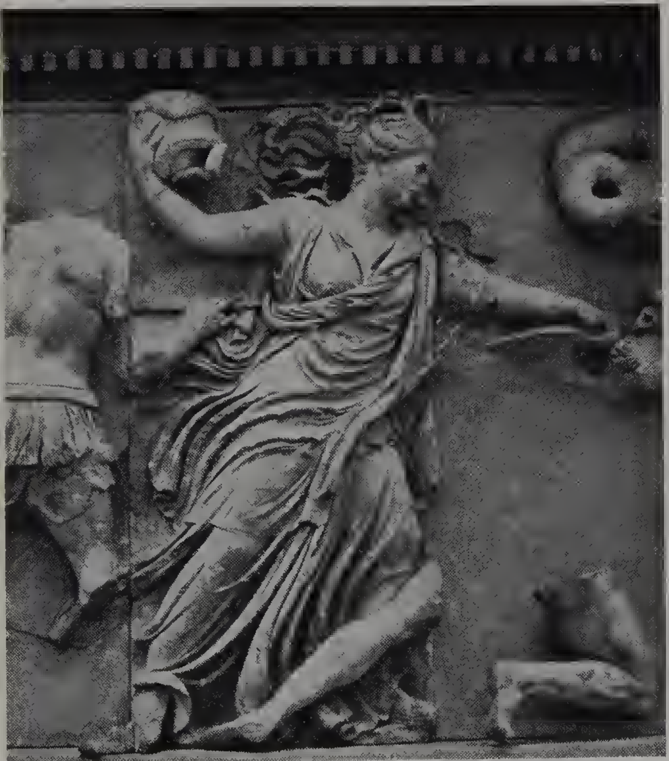


Fig. 334. Nyx, from the frieze of the great altar of Pergamon
Pergamon Museum, Berlin
(Cf. pp. 107, 131)

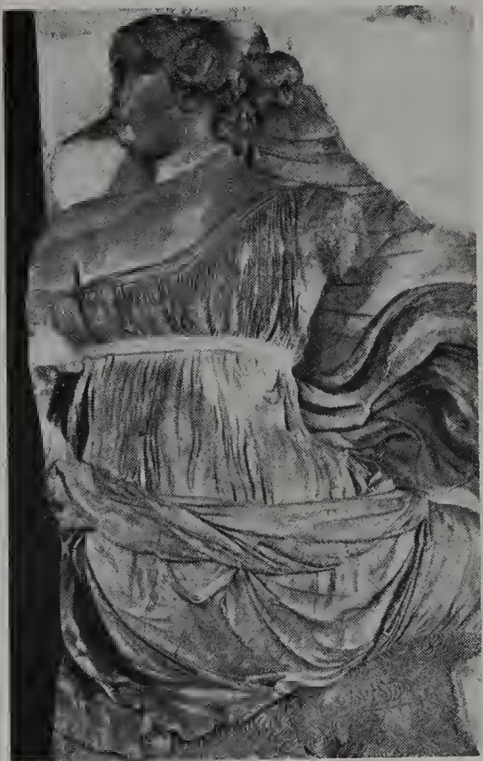


Fig. 335. Eos, from the same frieze as Fig. 334 (from a cast)
Pergamon Museum, Berlin
(Cf. pp. 107, 131)

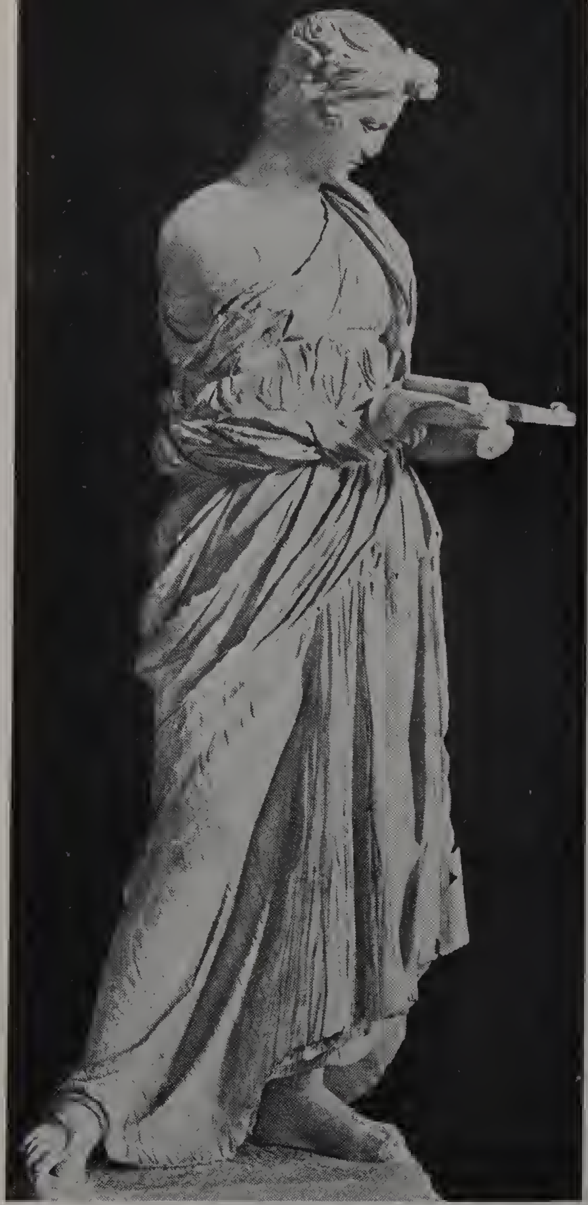


Fig. 336. Girl from Anzio
Museo Nazionale delle Terme, Rome
(Cf. p. 107)

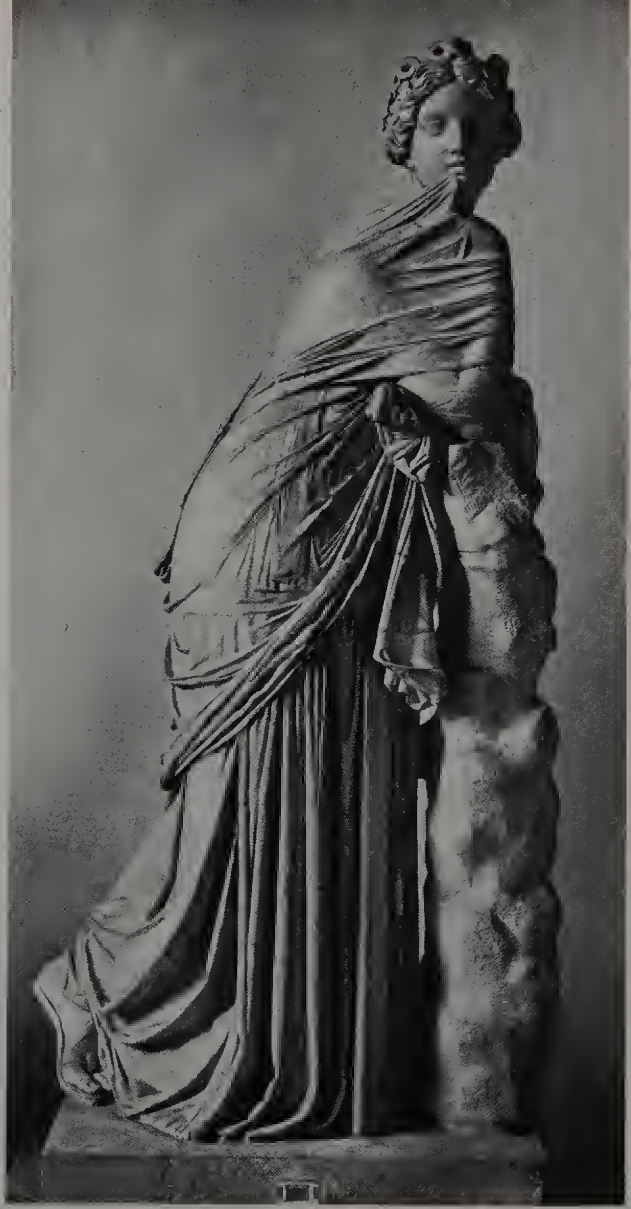


Fig. 337. Polyhymnia
Staatliche Museen, Berlin
(Cf. p. 108)

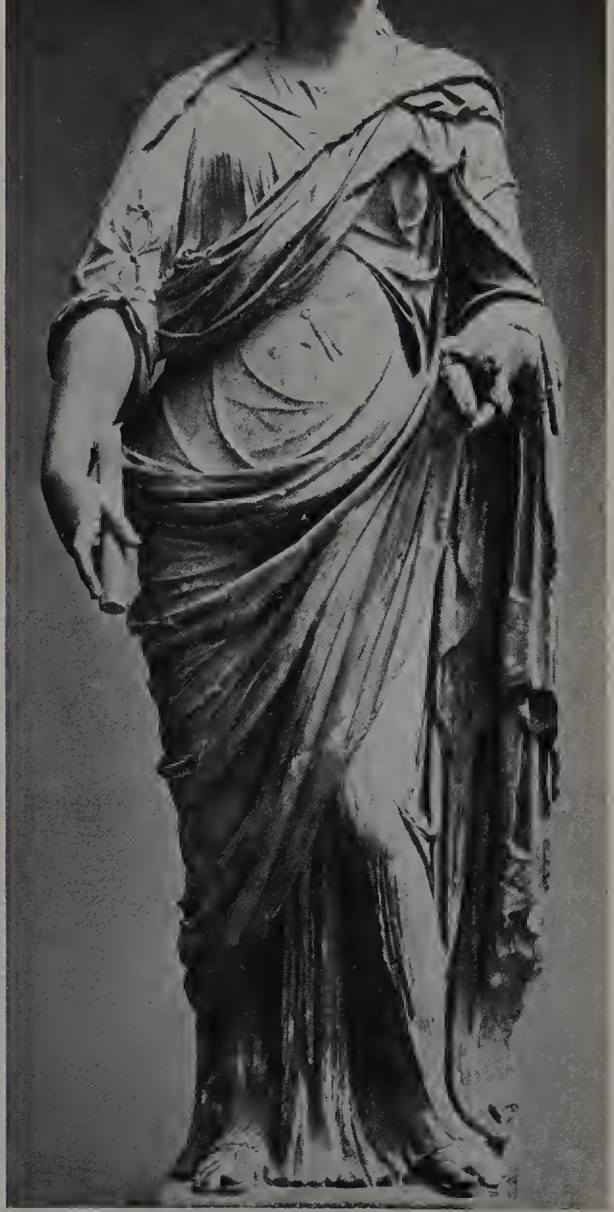


Fig. 338. Draped woman, from the Giustiniani Collection (cf. p. 108)
Metropolitan Museum of Art

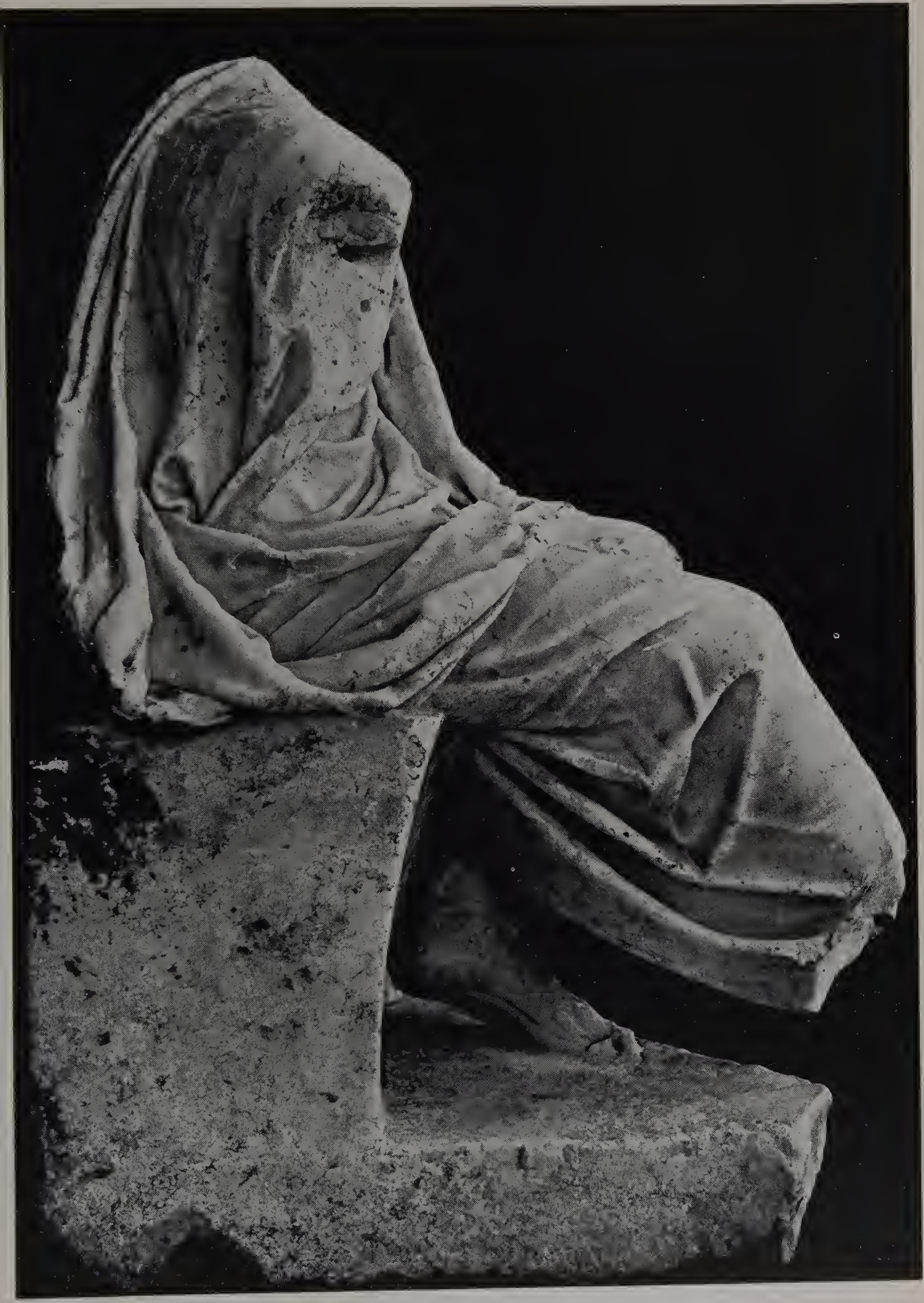


Fig. 339. Statue signed by Zeuxis

Metropolitan Museum of Art

(Cf. p. 108)

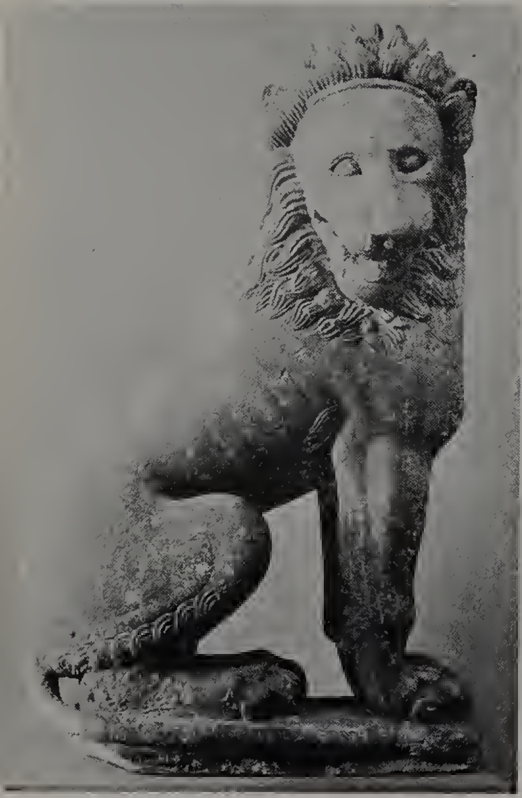


Fig. 340. Limestone lion, from Perachora
Museum of Fine Arts, Boston
(Cf. p. 109)

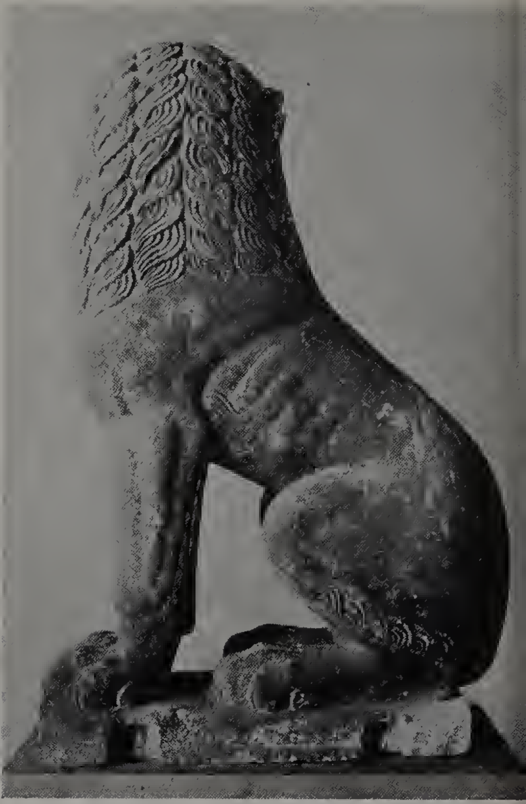


Fig. 341. Back view of Fig. 340

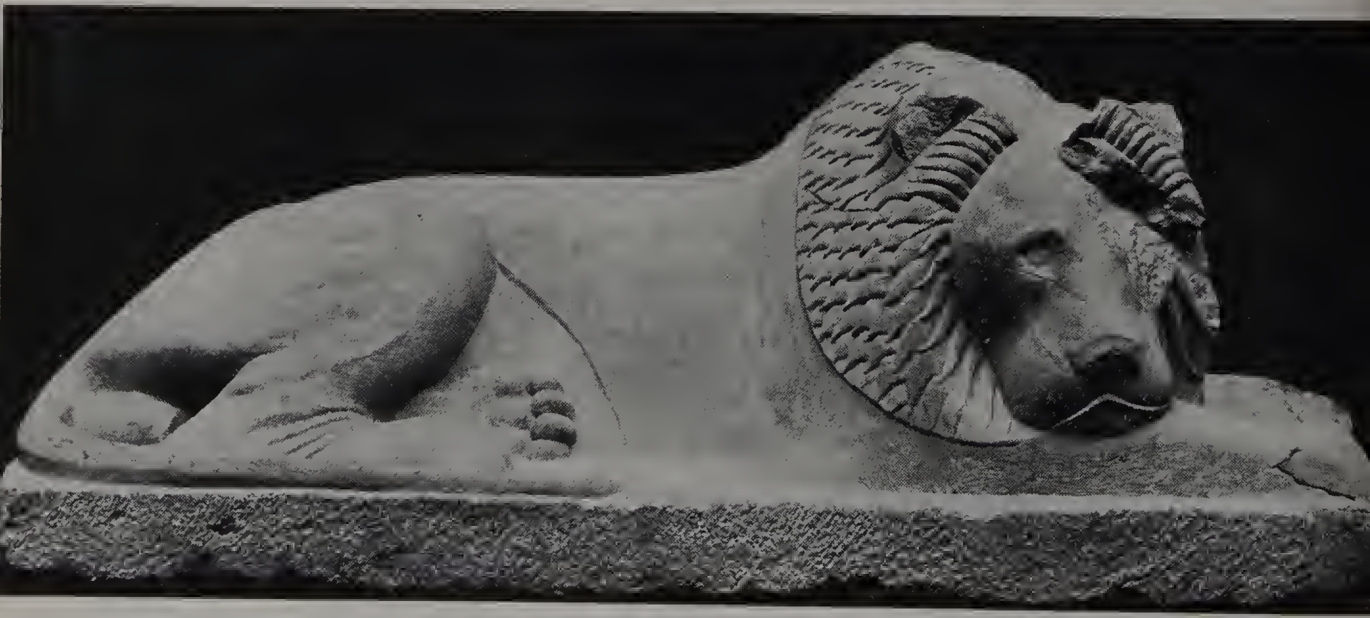


Fig. 342. Lion
Staatliche Museen, Berlin
(Cf. p. 110)

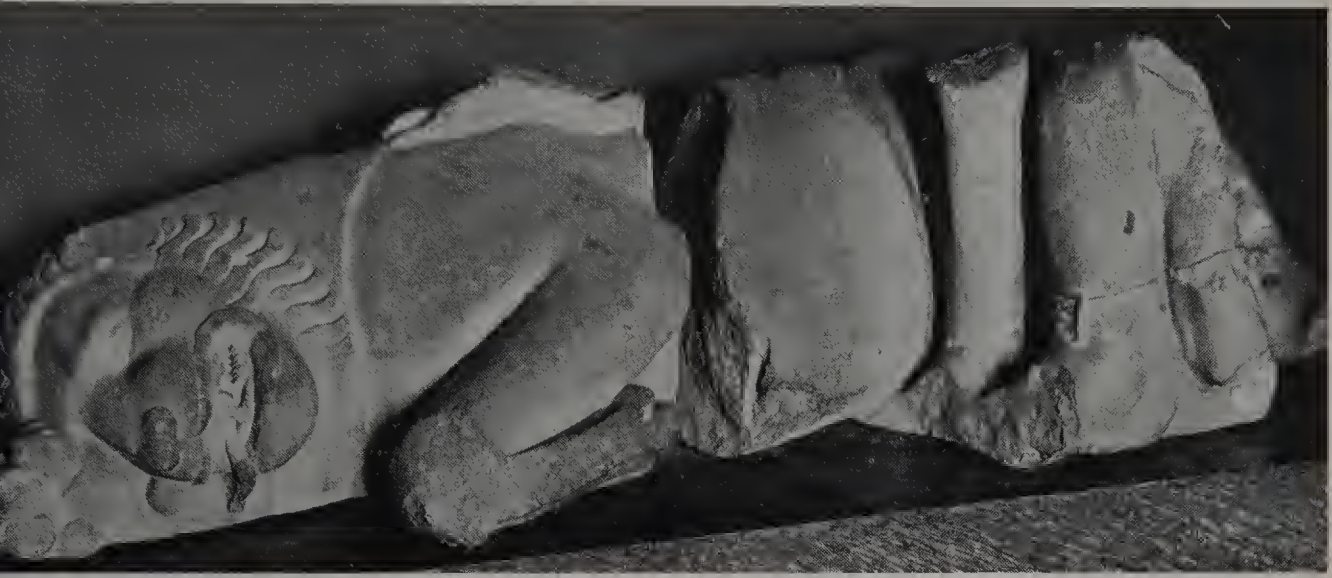


Fig. 343. Lion, from a metope of the temple of Zeus at Olympia
The Louvre, Paris
(Cf. p. 110)

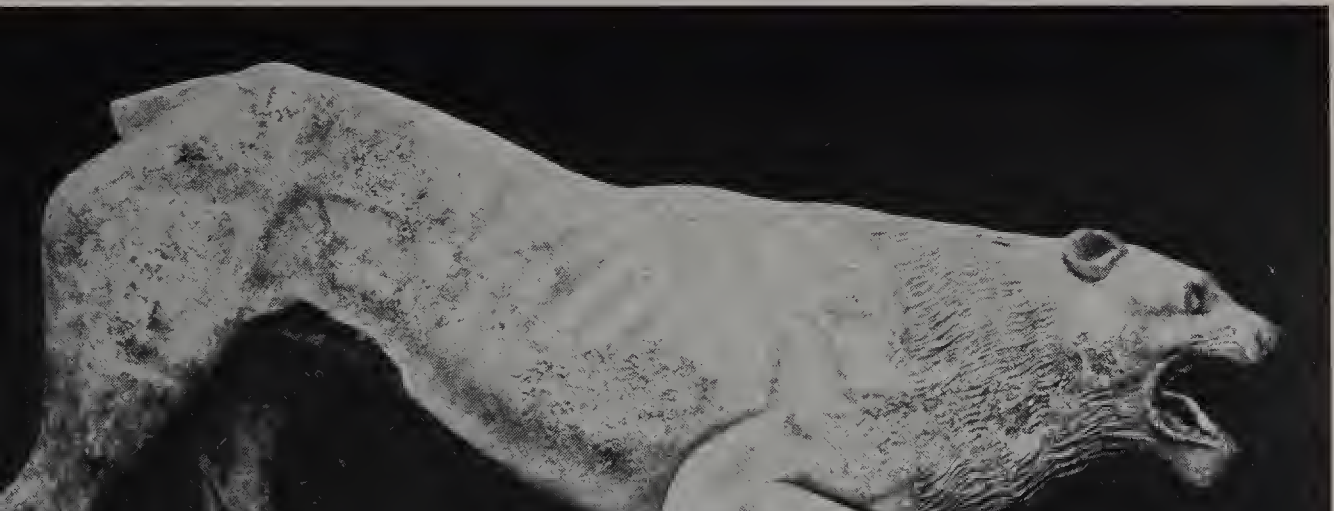


Fig. 344. Lion, from Rome
Metropolitan Museum of Art
(Cf. p. 111)

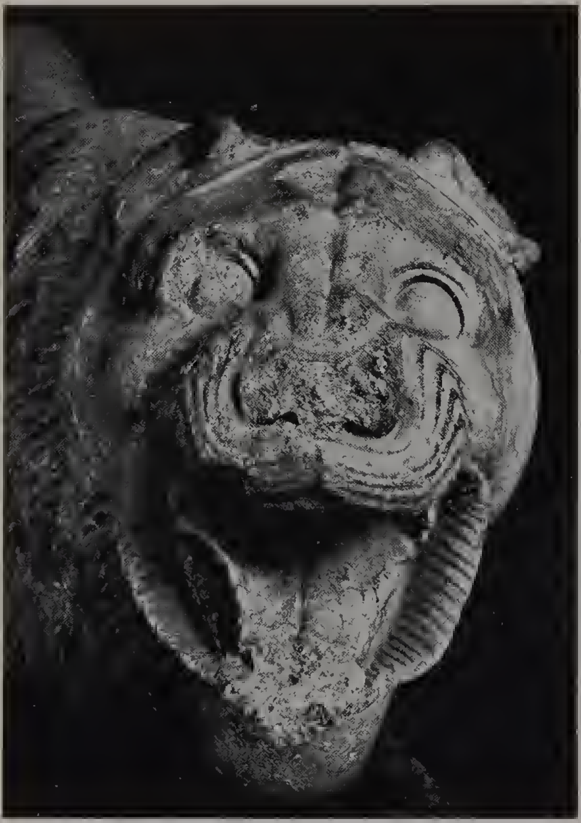


Fig. 345. Detail of Fig. 344

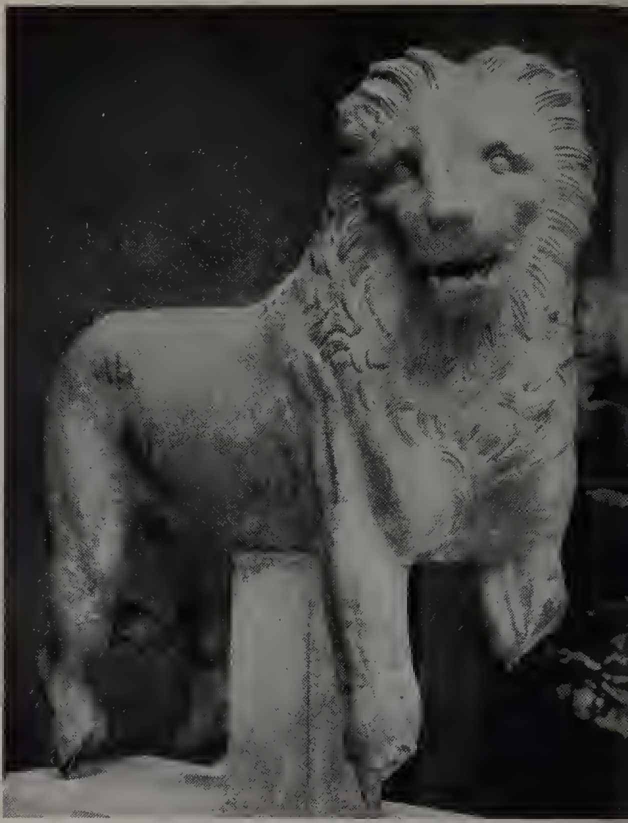


Fig. 346. Lion, from the Mausoleum at Halikarnassos

British Museum, London

(Cf. p. 111)

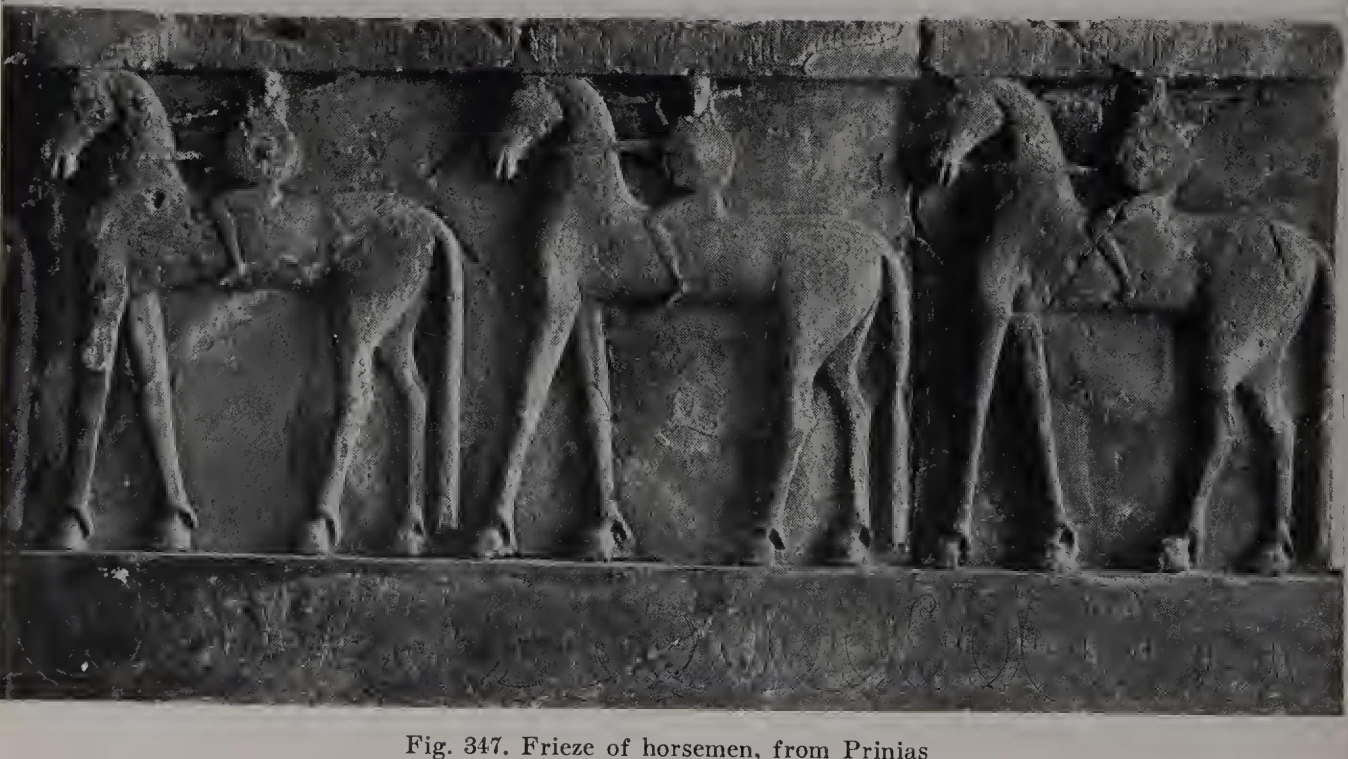


Fig. 347. Frieze of horsemen, from Prinias

Candia Museum, Crete

(Cf. pp. 111, 170)

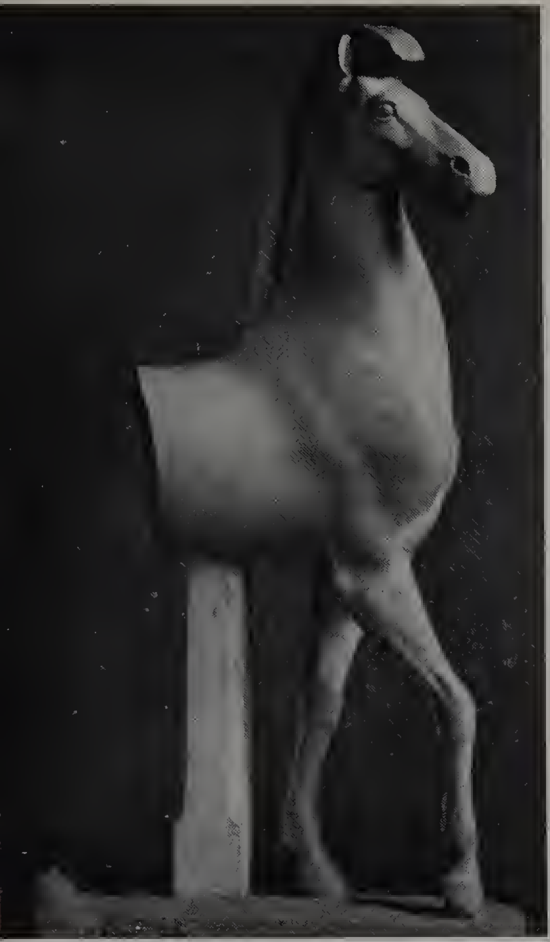


Fig. 348. Horse (from a cast) (cf. p. 111)
Akropolis Museum, Athens

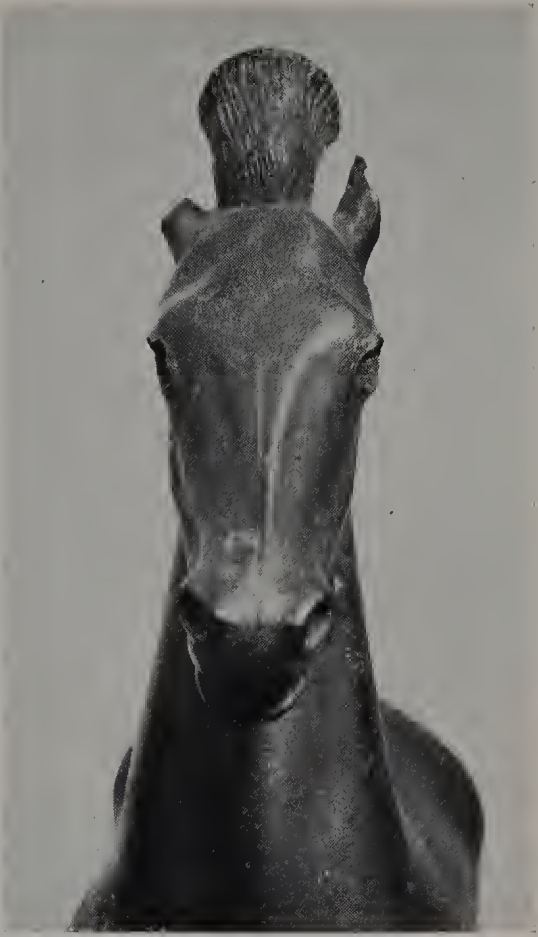


Fig. 349. Detail of Fig. 350

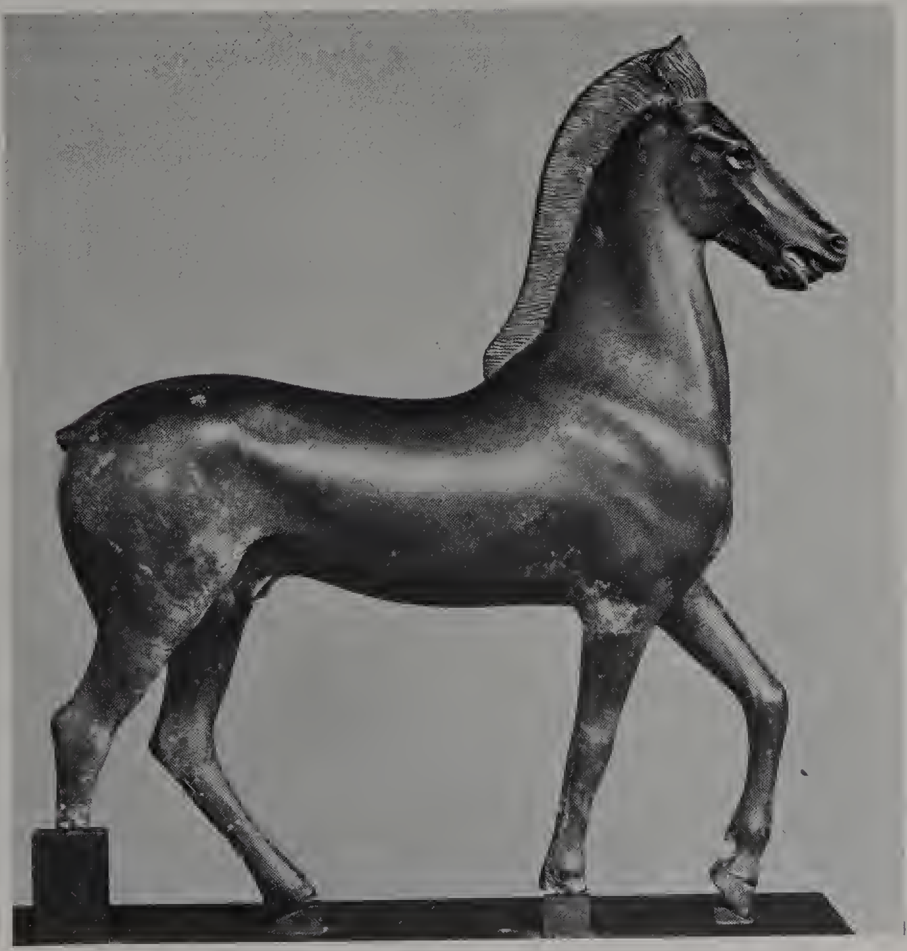


Fig. 350. Large bronze statuette of a horse (cf. pp. 111, 204)
Metropolitan Museum of Art

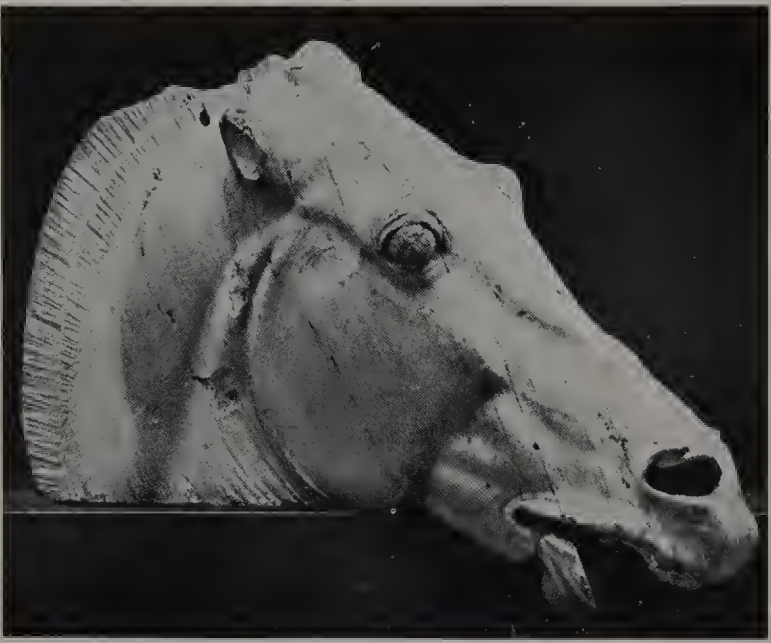


Fig. 351. Head of the horse of Selene, from the eastern pediment of the Parthenon

British Museum, London

(Cf. p. 112)

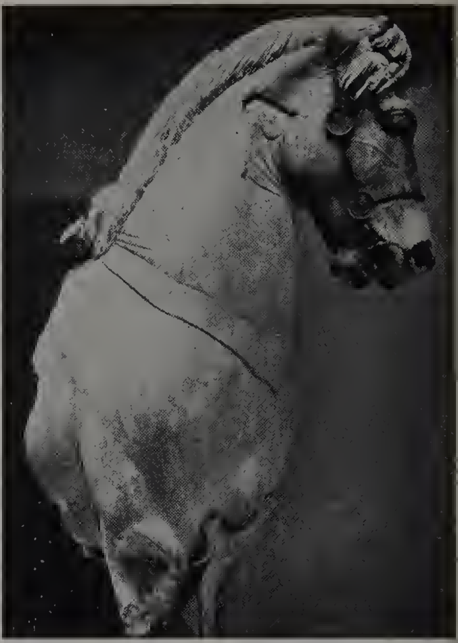


Fig. 352. Horse, from the chariot group of the Mausoleum at Halikarnassos

British Museum, London

(Cf. p. 112)

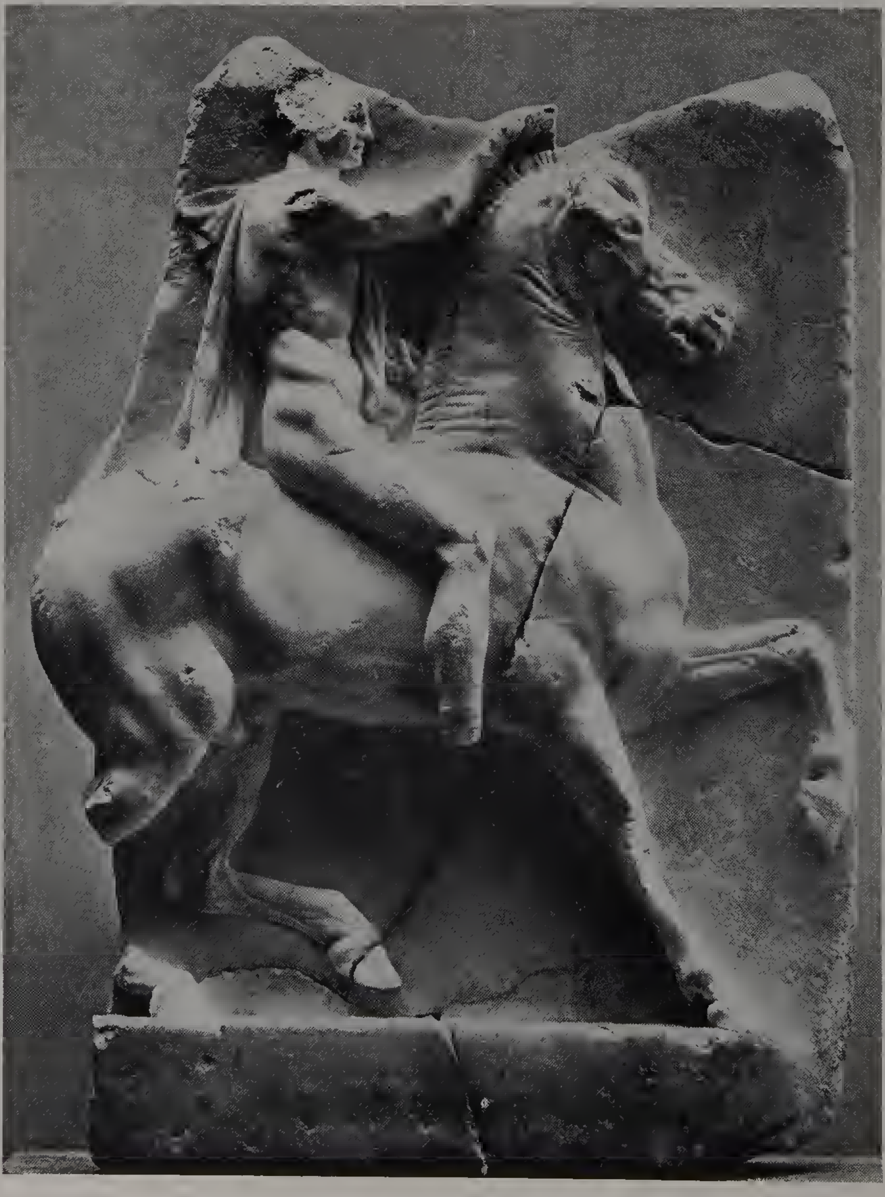


Fig. 353. Relief of a horseman (cf. p. 112)

Metropolitan Museum of Art

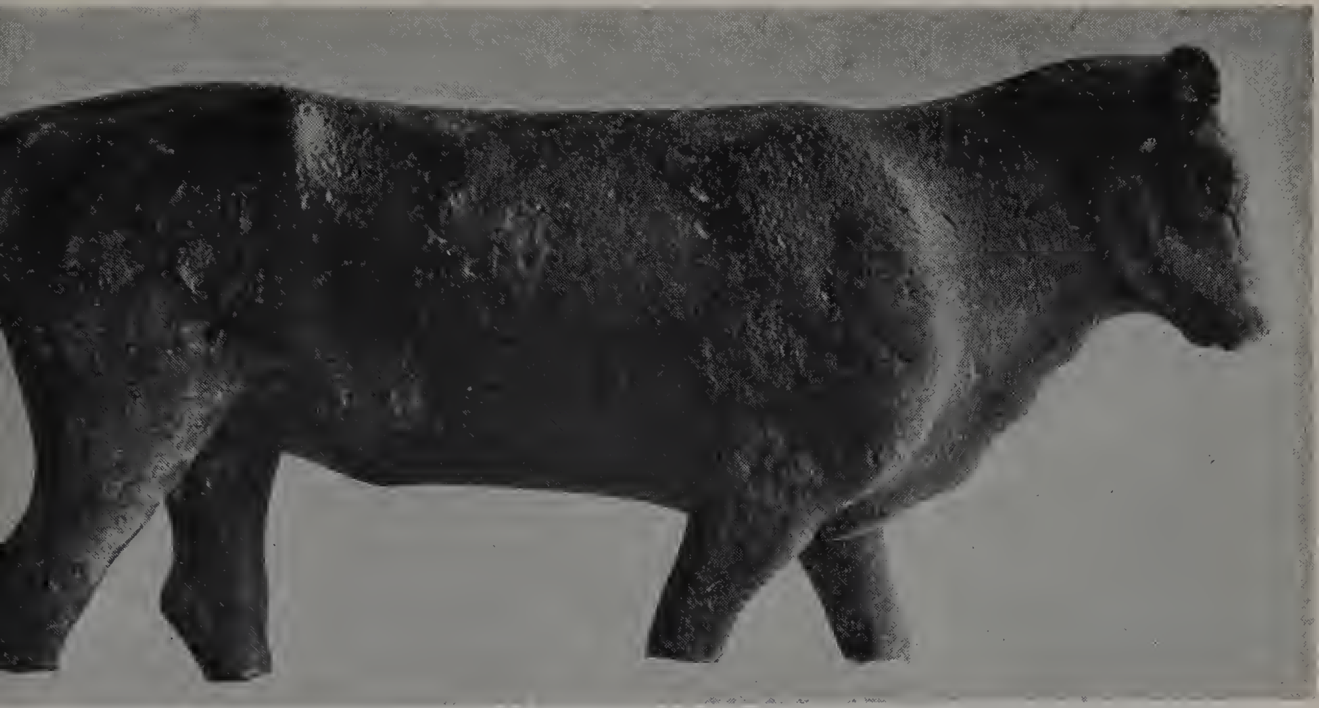


Fig. 354. Bronze statuette of a cow, from Delphi

Delphi Museum

(Cf. p. 112)

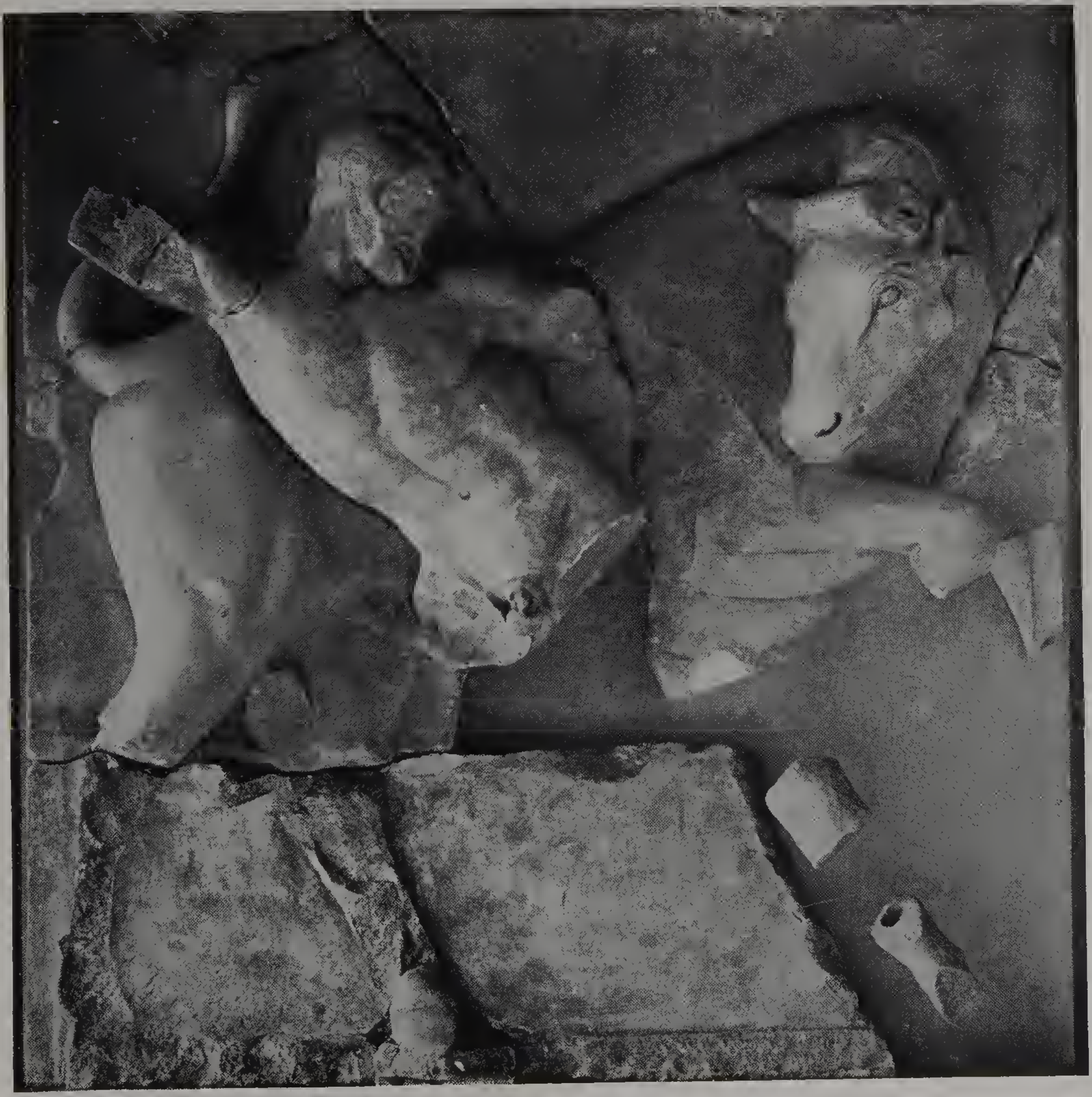


Fig. 355. Herakles and the Cretan bull. Metope of the temple of Zeus at Olympia

The Louvre, Paris

(Cf. p. 113)

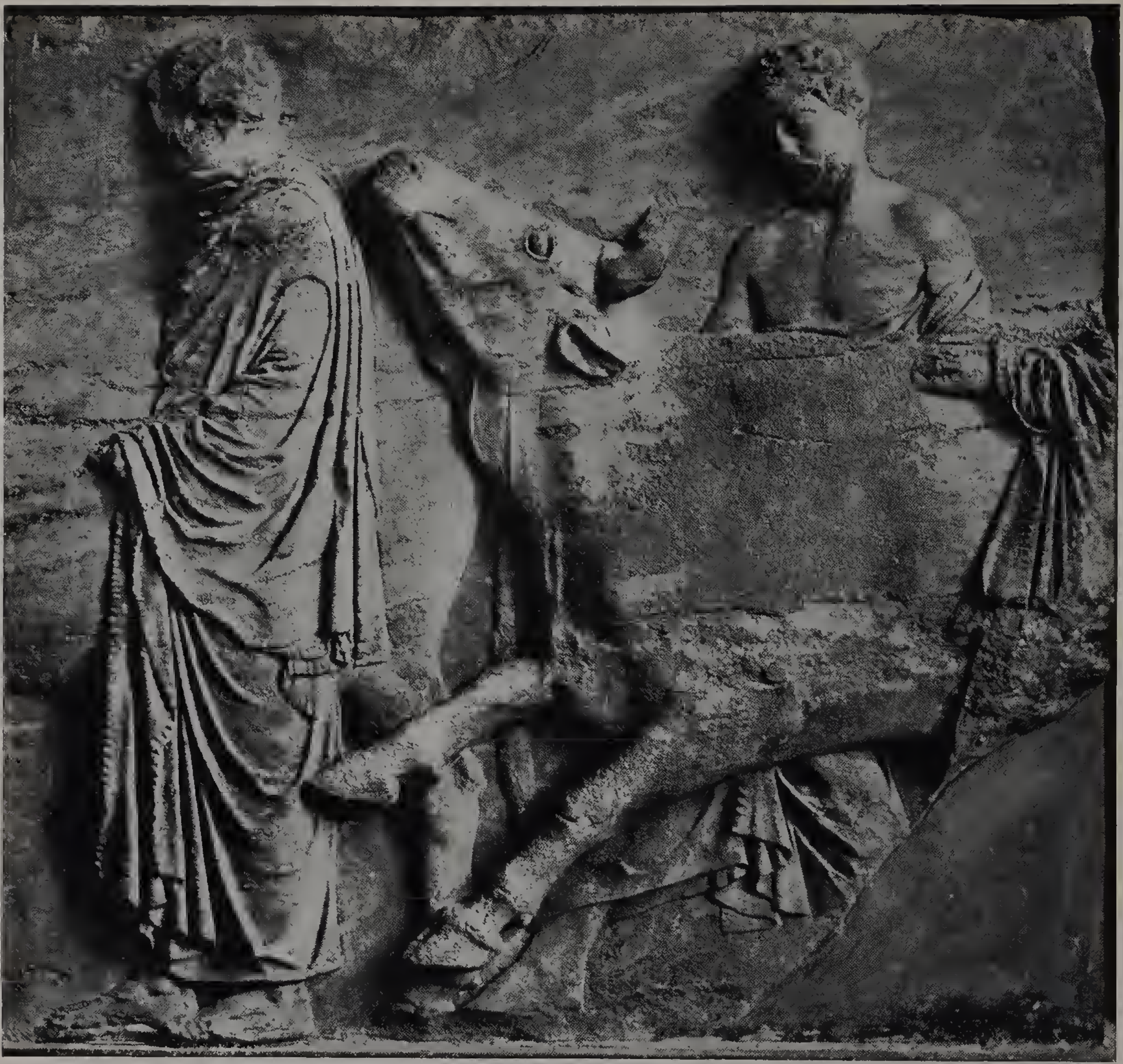


Fig. 356. Cow, from the Parthenon frieze (cf. pp. 113, 171)
Akropolis Museum, Athens

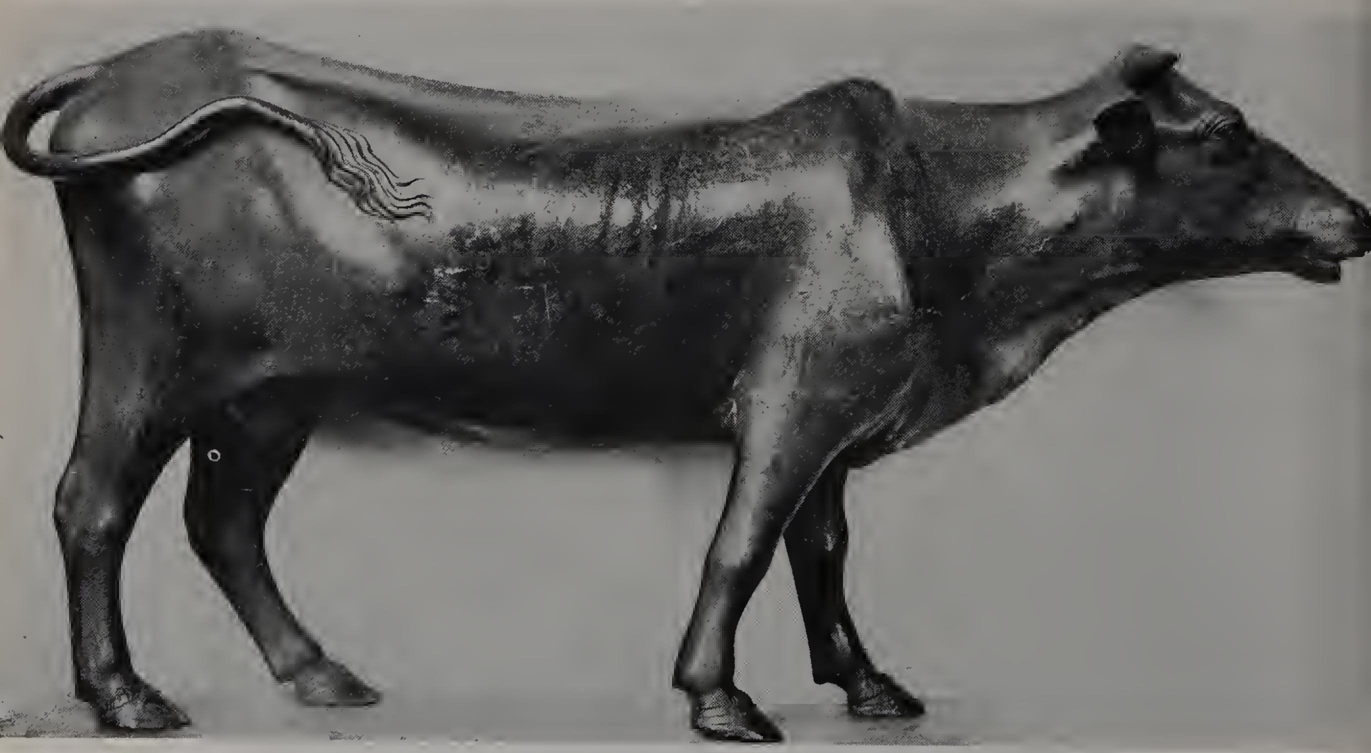


Fig. 357. Bronze statuette of a cow (cf. p. 113)
Bibliothèque Nationale, Paris

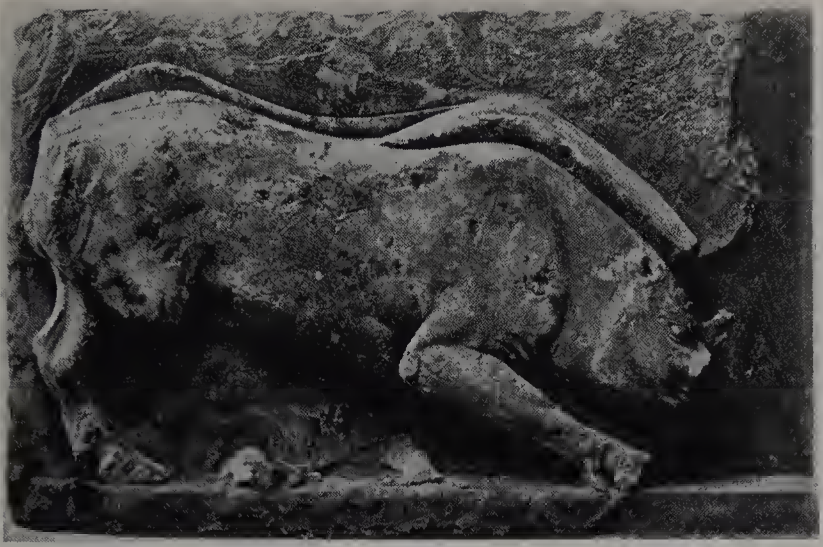


Fig. 358. Boar. Metope of the "Sikyonian" Treasury at Delphi
Delphi Museum
(Cf. pp. 113, 126)

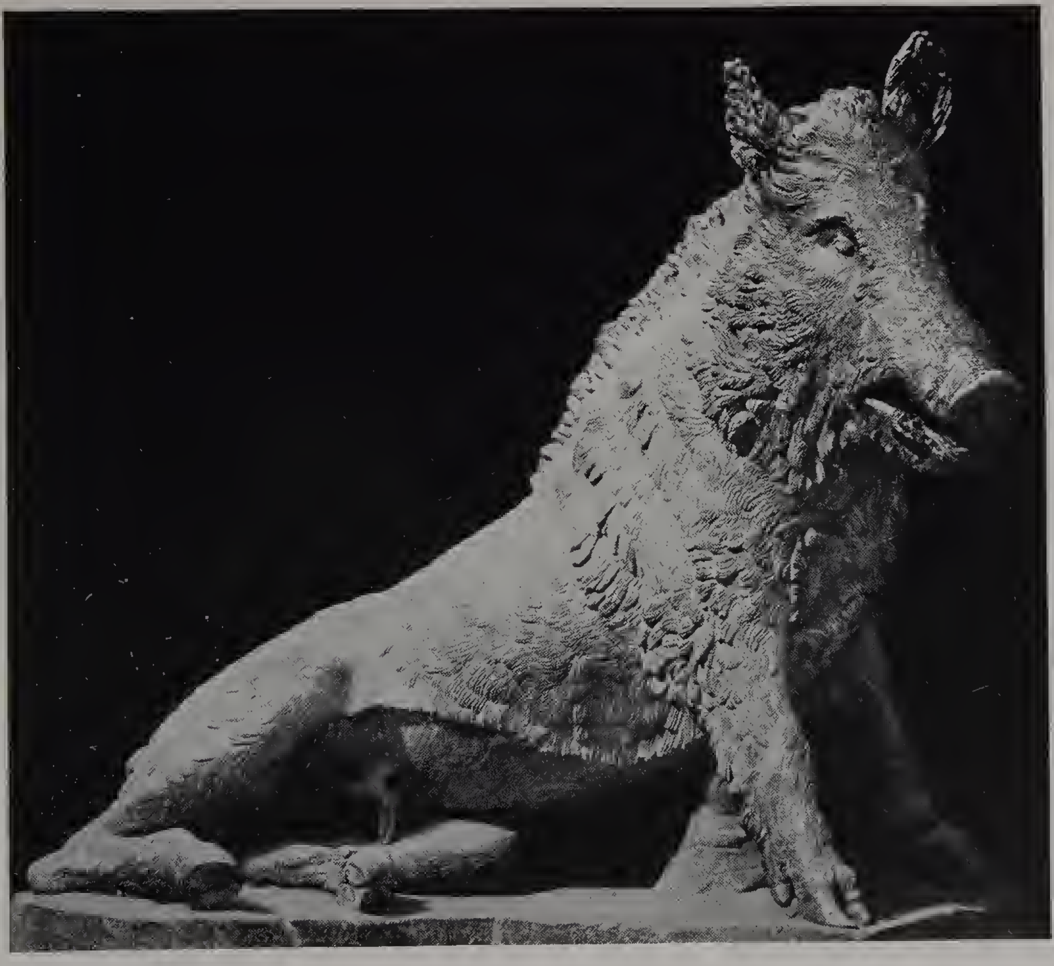


Fig. 359. Boar
Uffizi Gallery, Florence
(Cf. p. 113)

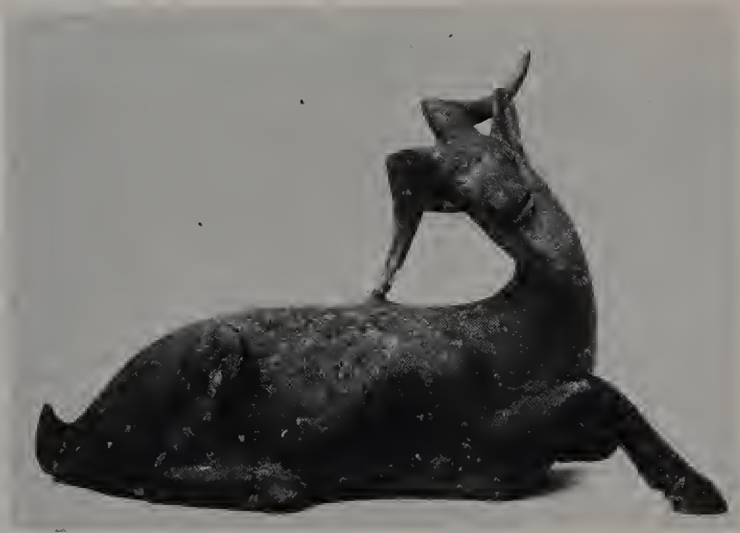


Fig. 360. Bronze statuette of a goat (cf. p. 113)
British Museum, London

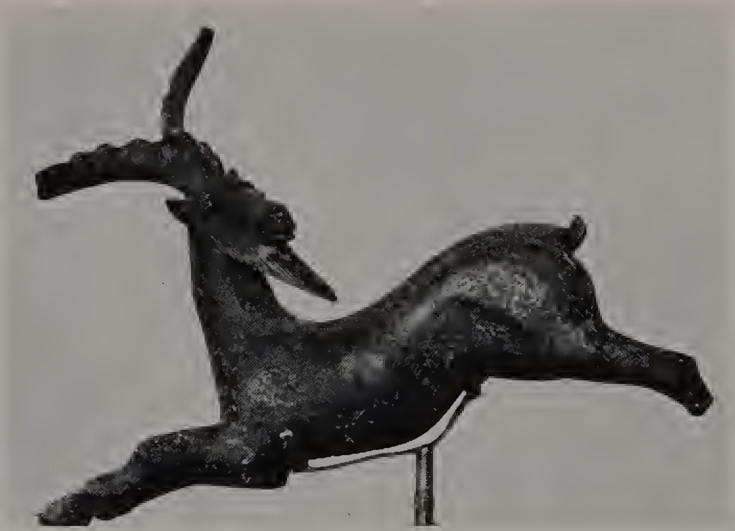


Fig. 361. Bronze statuette of a goat (cf. p. 113)
Metropolitan Museum of Art

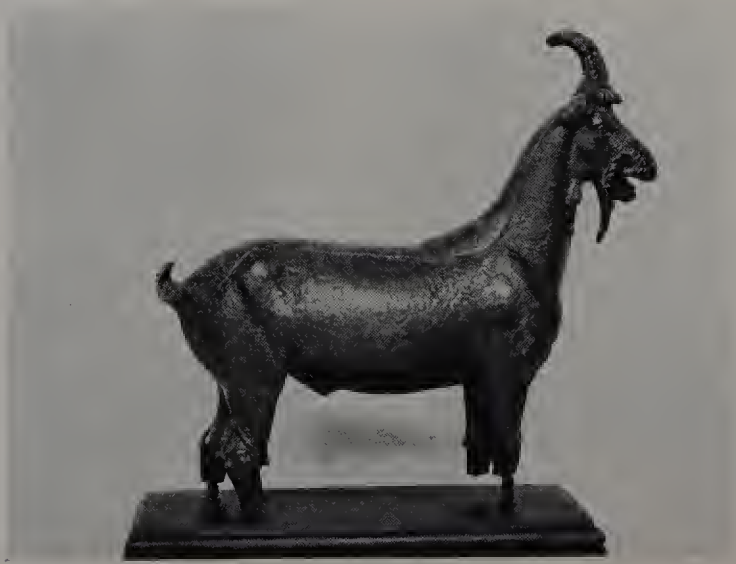


Fig. 362. Bronze statuette of a goat

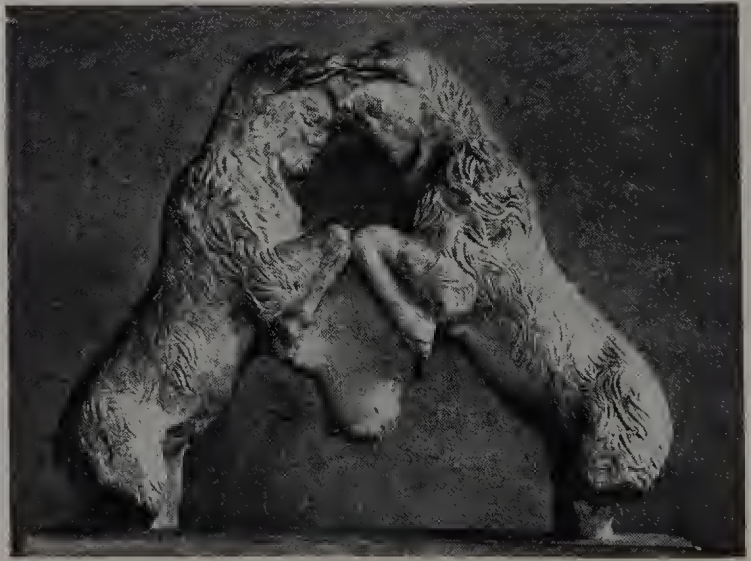
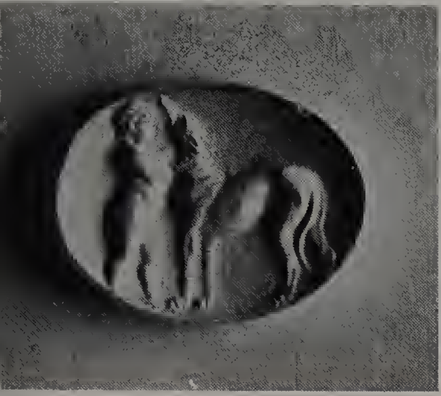


Fig. 363. Butting goats, finial of a grave stele (from a cast)



ig. 364. Child with hound, on an
graved gem (from an impression)
Metropolitan Museum of Art
(Cf. p. 114)

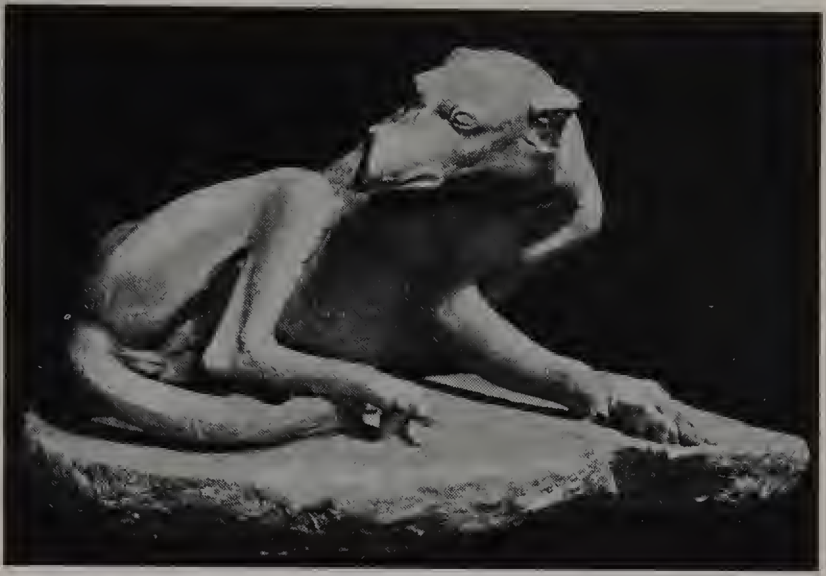


Fig. 365. Dog
Barracco Museum, Rome
(Cf. p. 114)

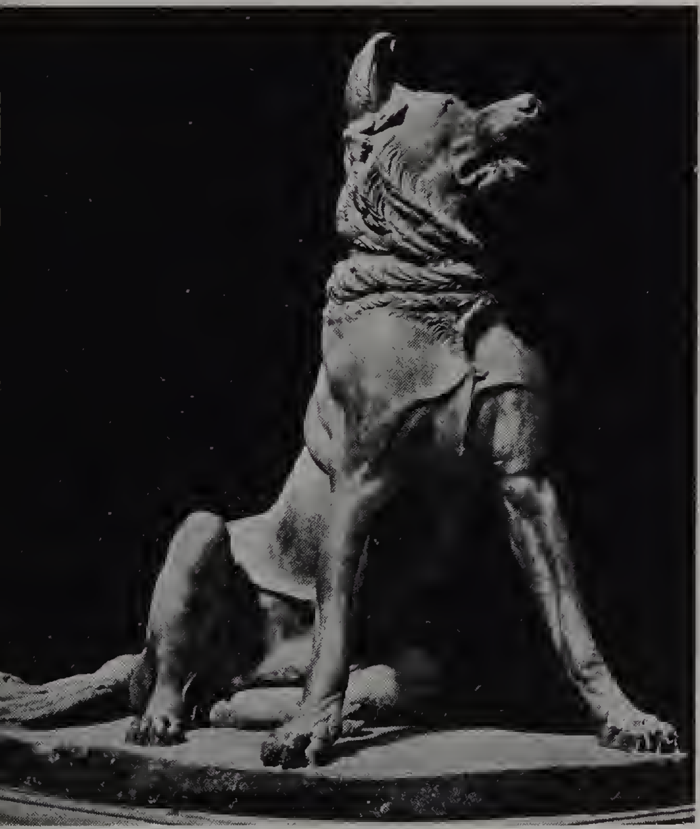


Fig. 366. "Mastiff"
Uffizi Gallery, Florence
(Cf. p. 115)

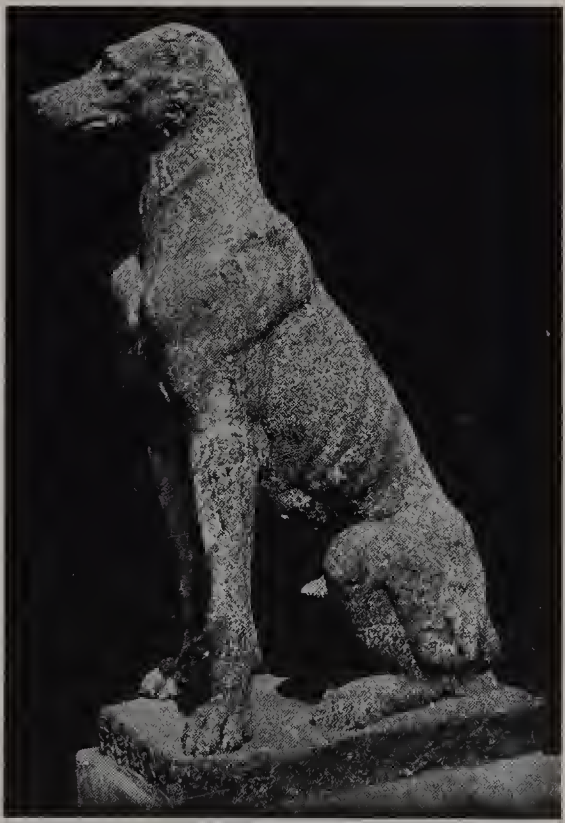


Fig. 367. Hound, of serpentine
Palazzo dei Conservatori, Rome
(Cf. p. 114)

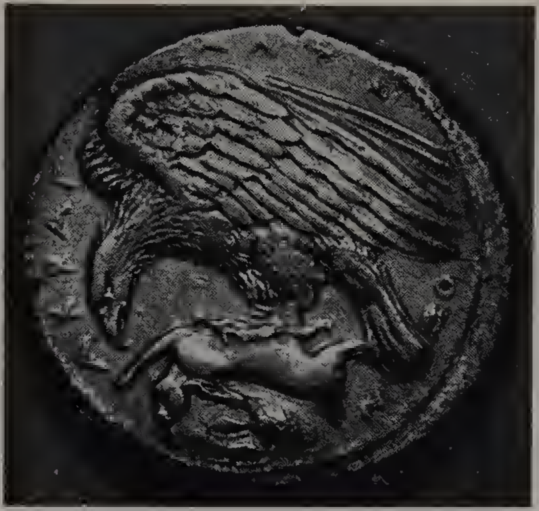


Fig. 368. Eagle devouring a hare from a coin of Akragas
Metropolitan Museum of Art
(Cf. p. 115)

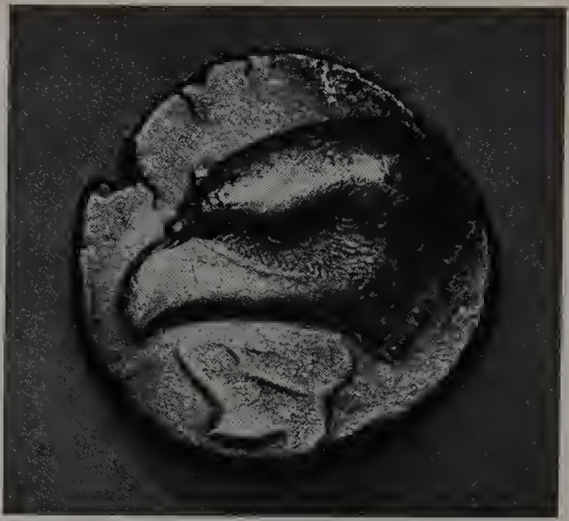


Fig. 369. Head of an eagle, from a coin of Elis
Metropolitan Museum of Art
(Cf. p. 115)

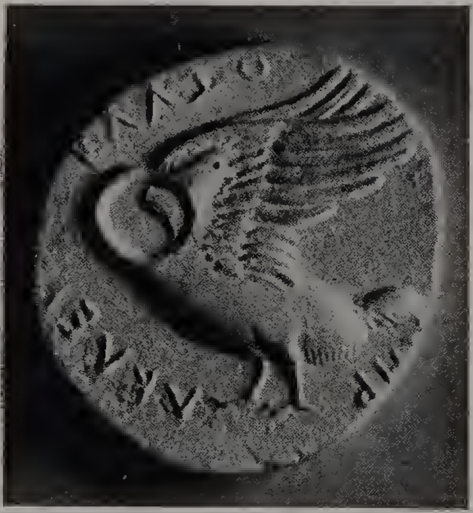


Fig. 370. Swan preening its wings from a coin of Klazomenai (from a cast)
British Museum, London
(Cf. p. 115)

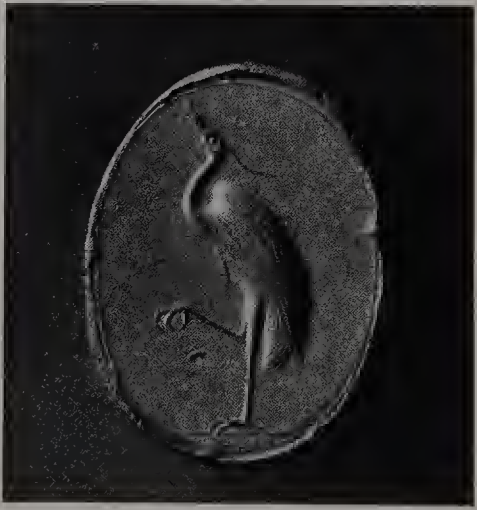


Fig. 371. Heron, on an engraved gem (from an impression)
Museum of Fine Arts, Boston
(Cf. p. 116)

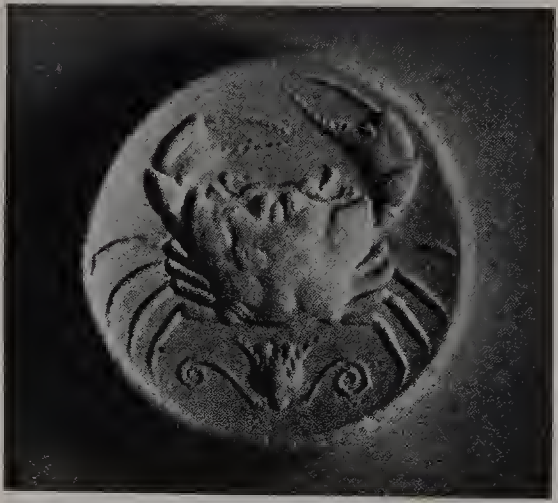


Fig. 372. Crab, from a coin of Akragas (from a cast)
British Museum, London
(Cf. p. 116)

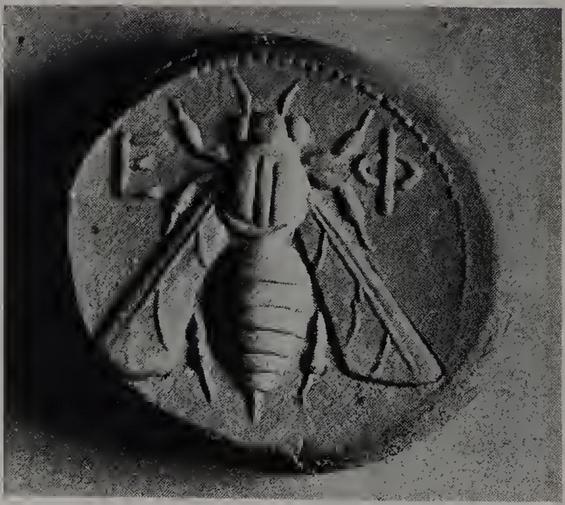


Fig. 373. Bee, from a coin of Ephesos (from a cast)
Museum of Fine Arts, Boston
(Cf. p. 116)

Enlarged 1: 2

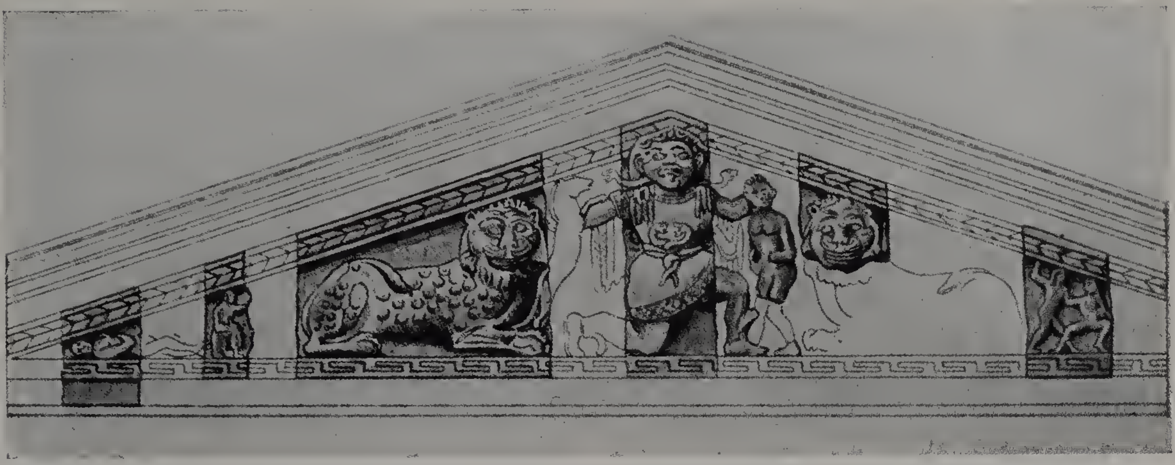


Fig. 374. The western pediment of the temple of Artemis at Corfu (from a drawing)
Corfu Museum
(Cf. p. 119)

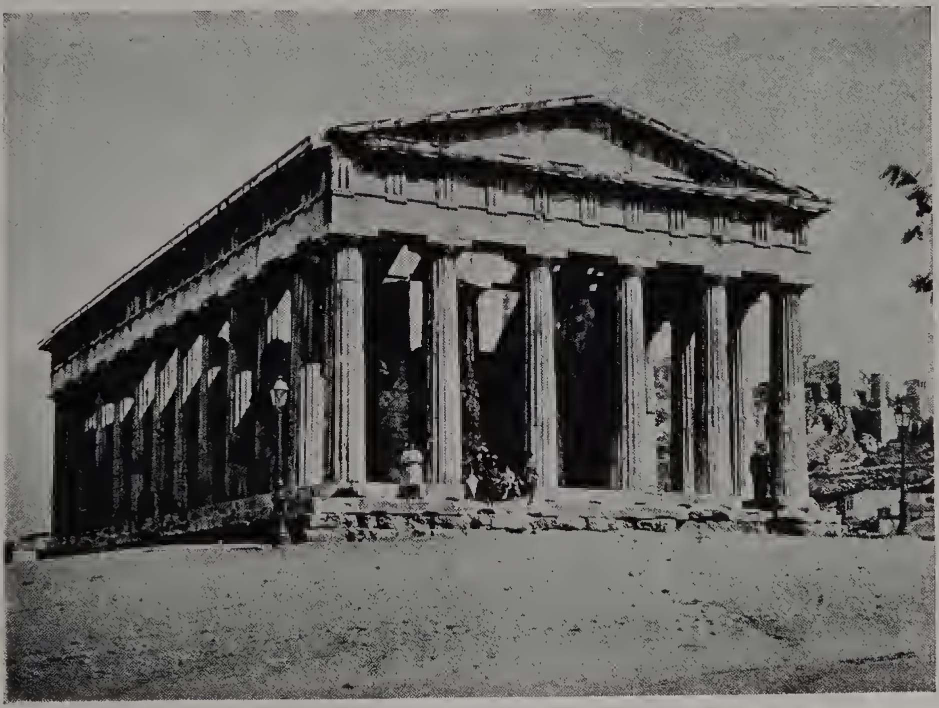


Fig. 375. The "Theseion" in Athens
(Cf. p. 118)

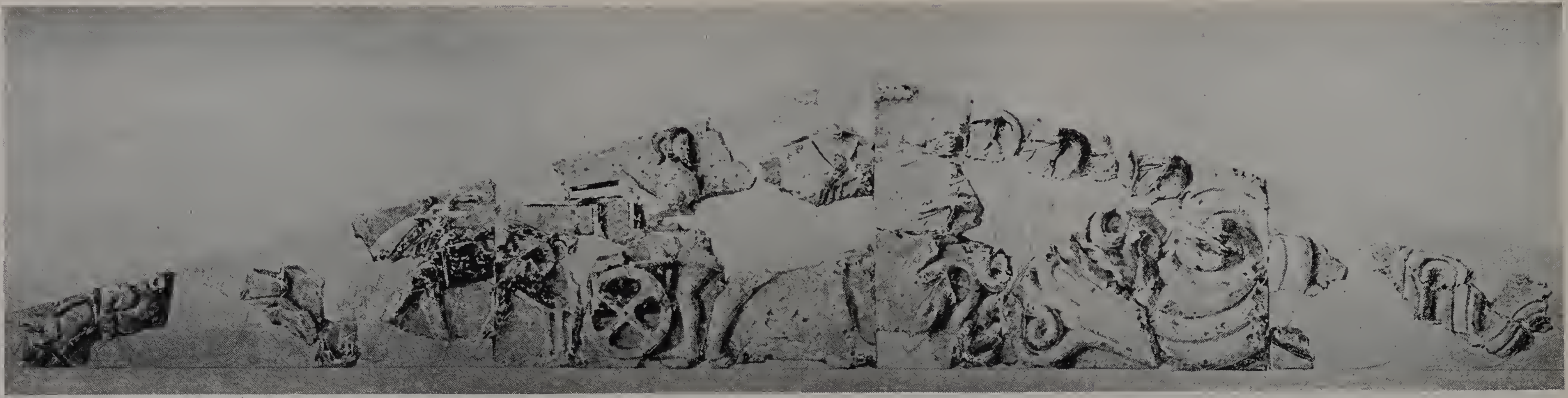


Fig. 376. Limestone pediment, contest of Herakles and the Hydra (from a water-color)
Akropolis Museum, Athens
(Cf. p. 119)

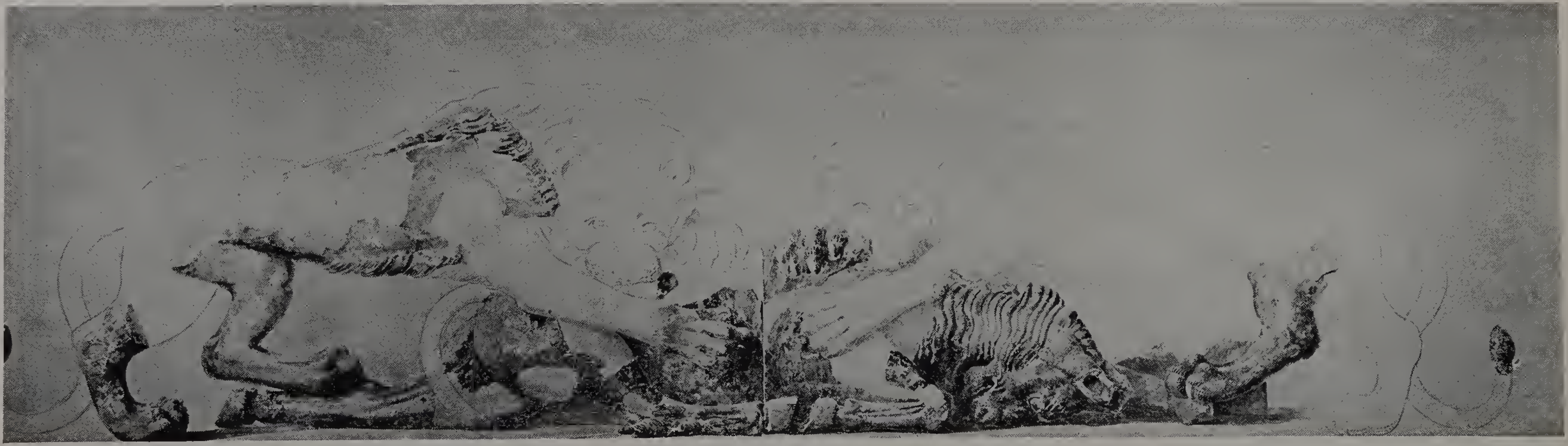


Fig. 377. Limestone pediment, two lions devouring a bull (from a water-color)
Akropolis Museum, Athens
(Cf. p. 120)

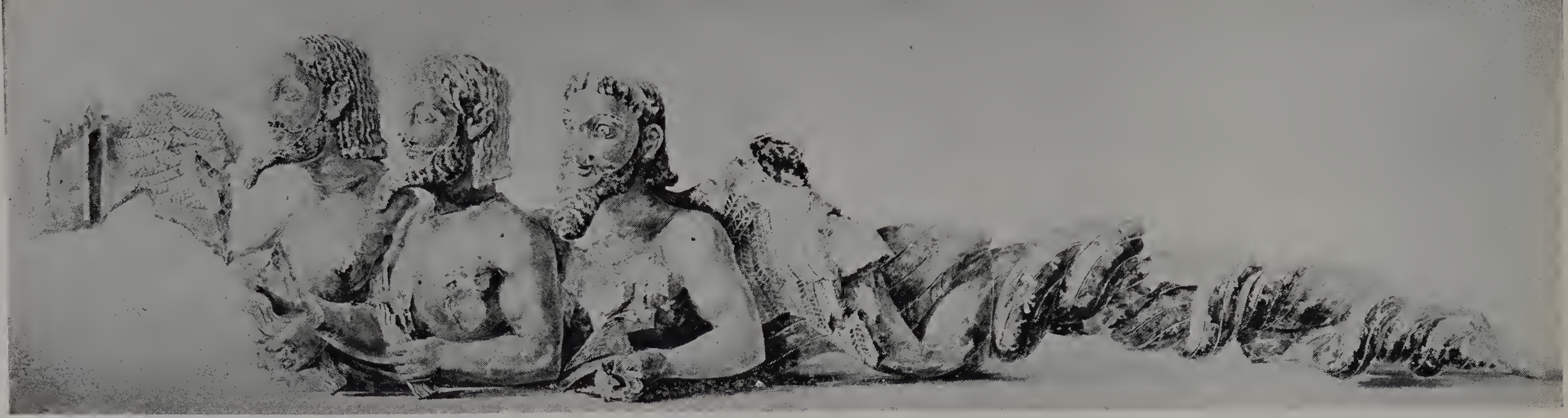


Fig. 378. Three-headed monster, from a limestone pediment (from a water-color)
Akropolis Museum, Athens
(Cf. p. 120)

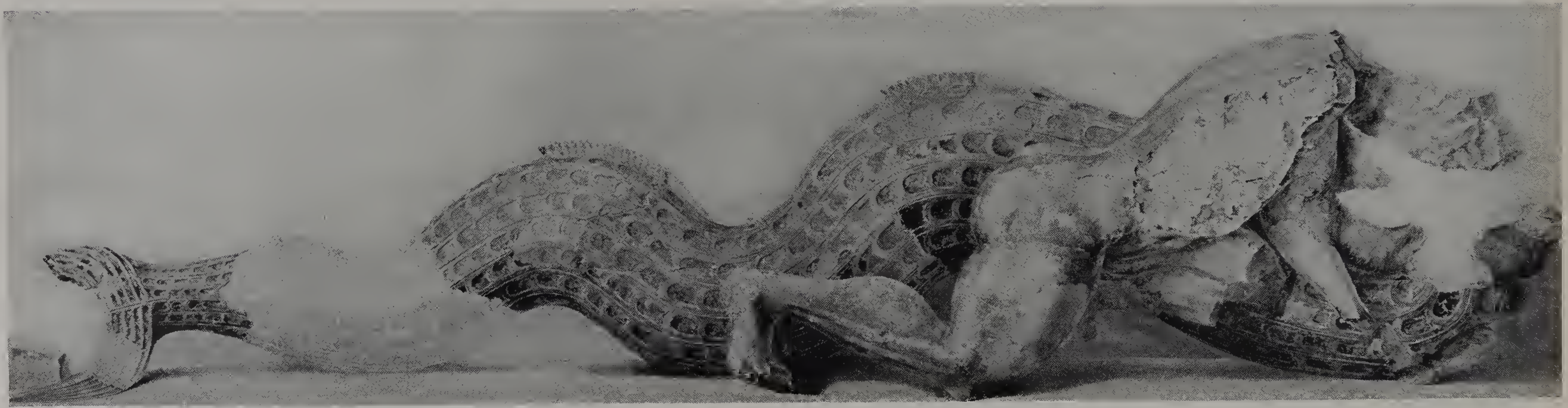


Fig. 379. Herakles and Triton, from a limestone pediment (from a water-color)
Akropolis Museum, Athens
(Cf. p. 120)

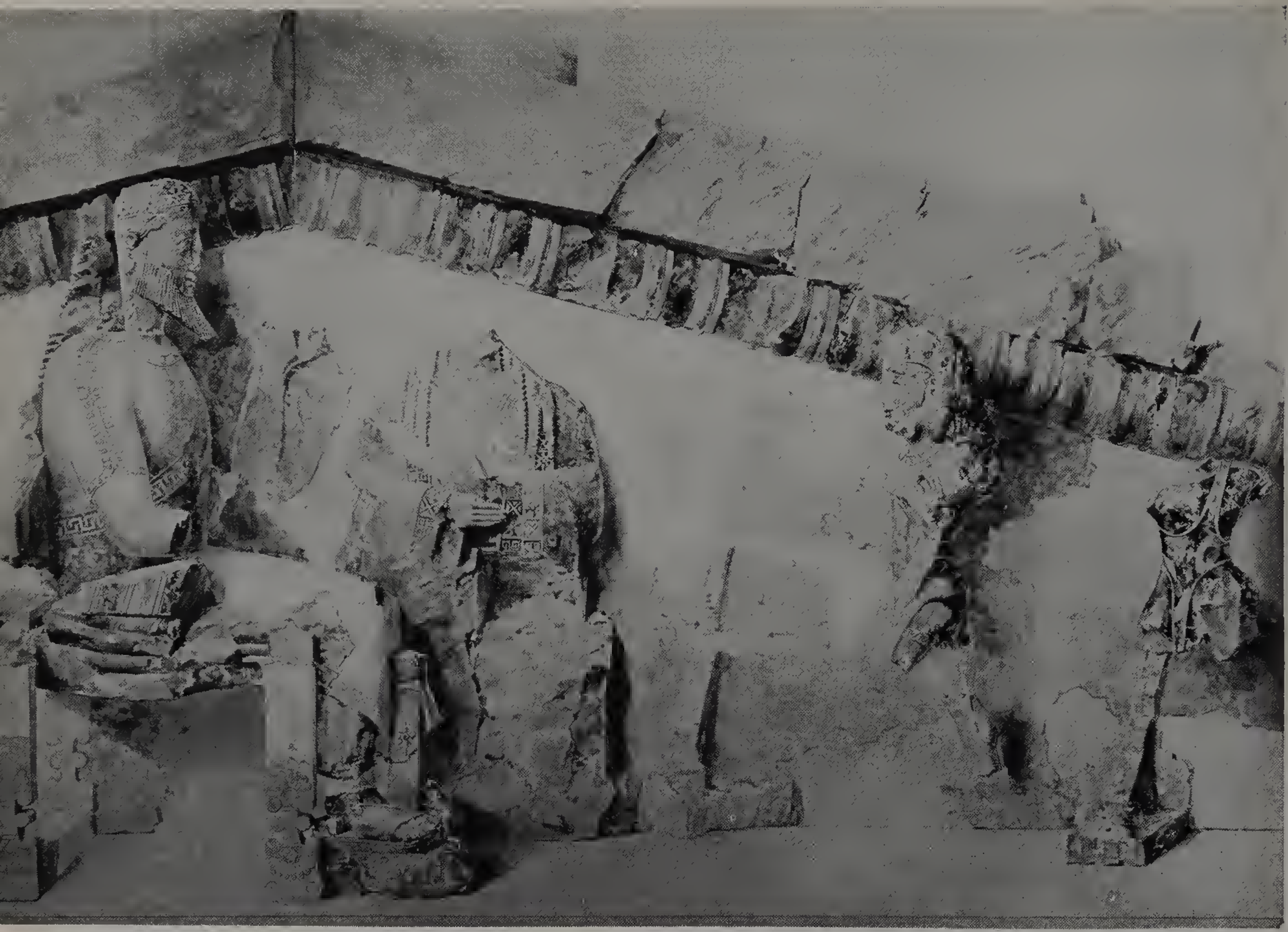


Fig. 380. Introduction of Herakles to Olympos, from a limestone pediment (from a water-color)

Akropolis Museum, Athens

(Cf. p. 120)

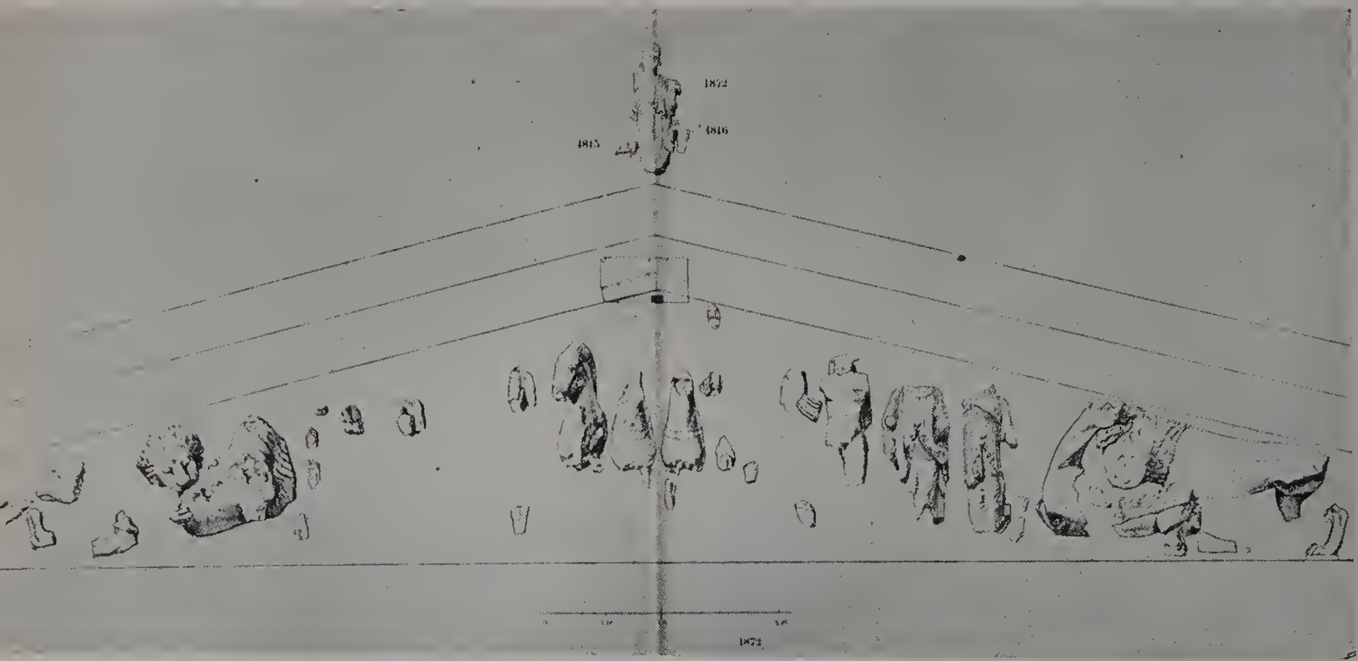


Fig. 381. Eastern pediment of the temple of Apollo at Delphi

Delphi Museum

(Cf. p. 122)

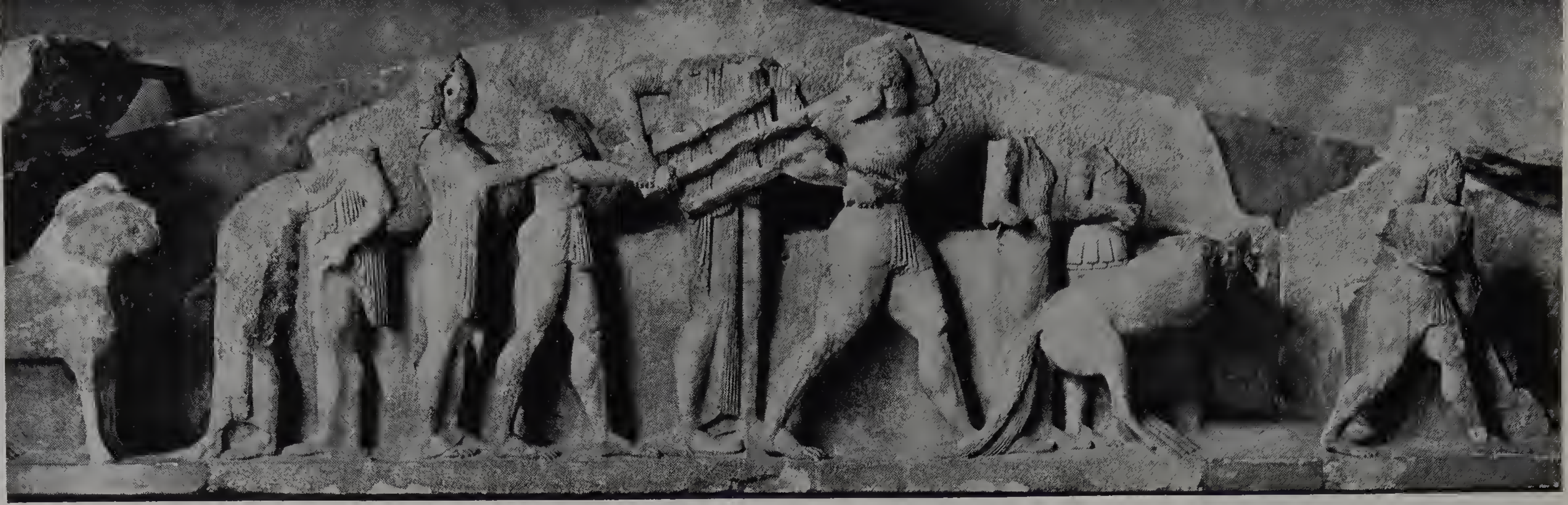


Fig. 382. Apollo and Herakles contesting for the tripod, from a pediment of the Siphnian Treasury

Delphi Museum

(Cf. pp. 64, 121)

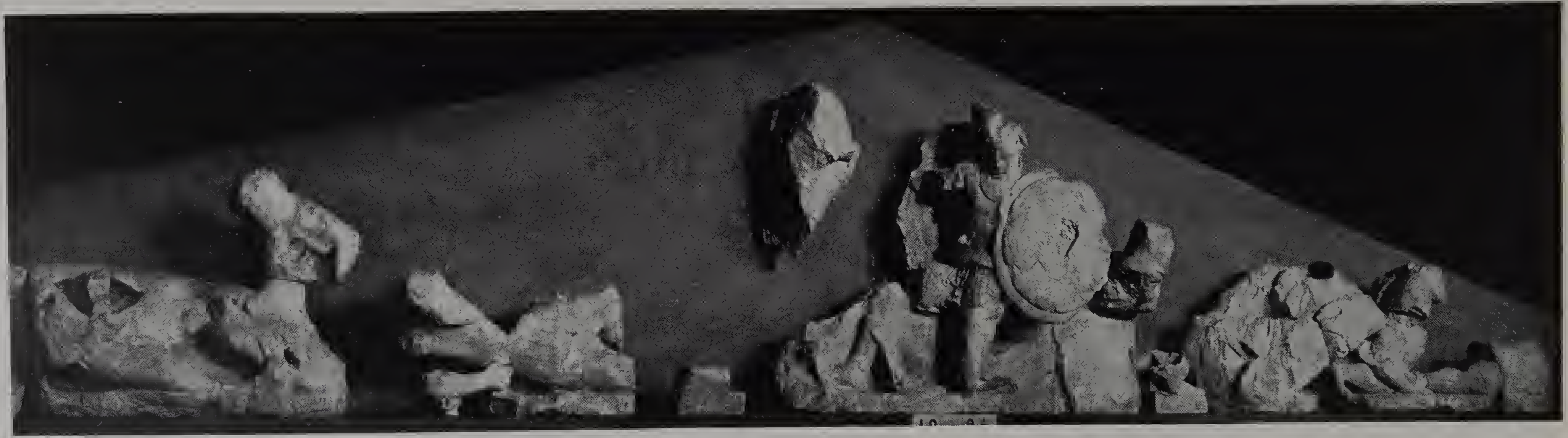


Fig. 383. Contest of gods and giants, limestone pediment of the Megarian Treasury

Olympia Museum

(Cf. p. 122)

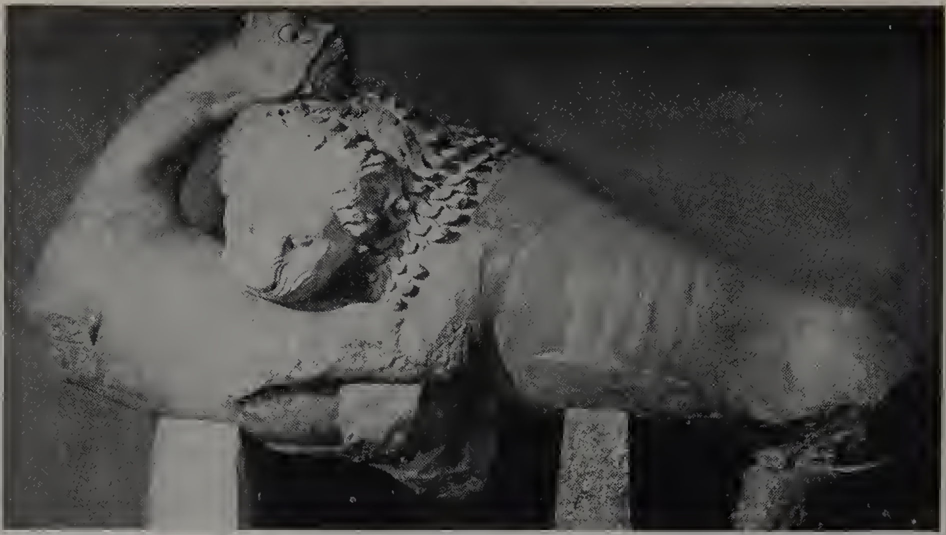


Fig. 384. Lion devouring a hind, from the eastern pediment of the temple at Delphi (cf. p. 122)

Delphi Museum

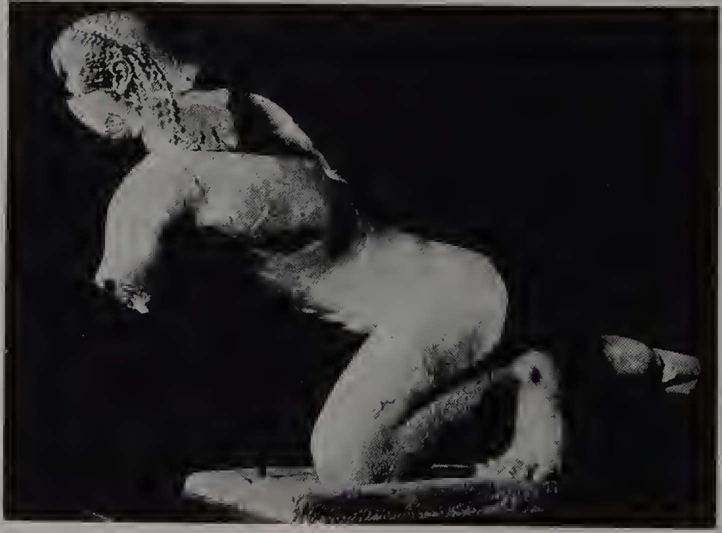


Fig. 385. Giant, from the pediment of the "Hekatompedon"

Akropolis Museum, Athens

(Cf. p. 121)

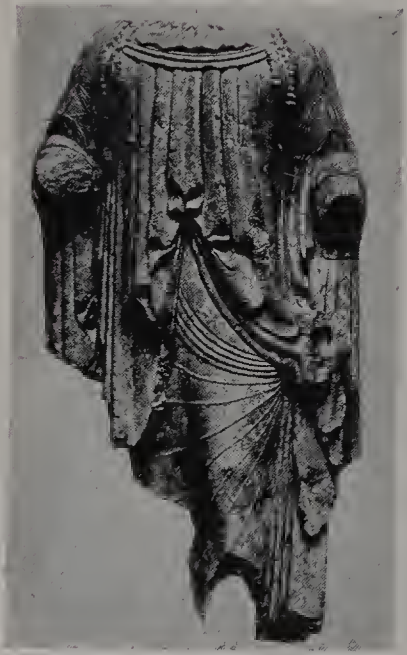


Fig. 386. Female figure, from the eastern pediment of the temple at Delphi (cf. p. 122)

Delphi Museum

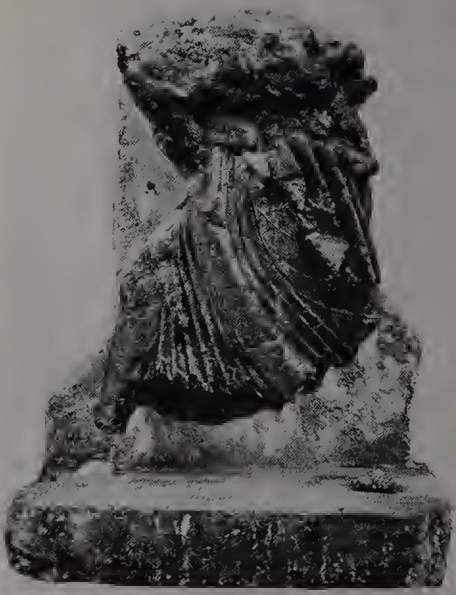


Fig. 387. Athena, from the western pediment of the temple at Delphi

Delphi Museum

(Cf. p. 122)

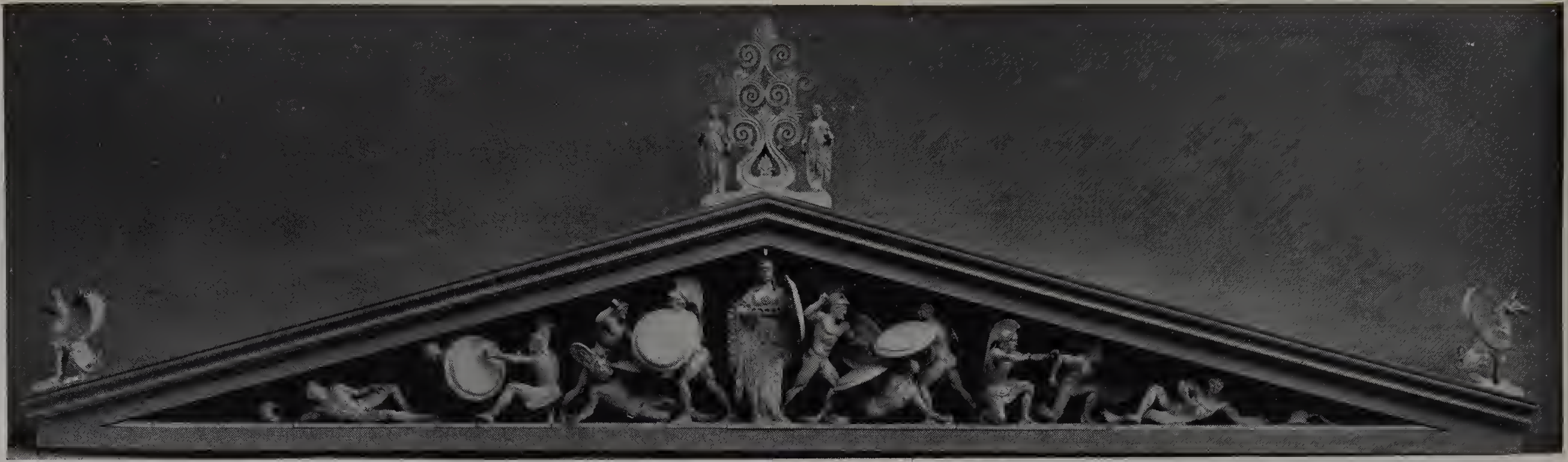


Fig. 388. Western pediment of the temple of Aphaia at Aigina, reconstruction by A. Furtwängler (cf. p. 122)
The Glyptothek, Munich

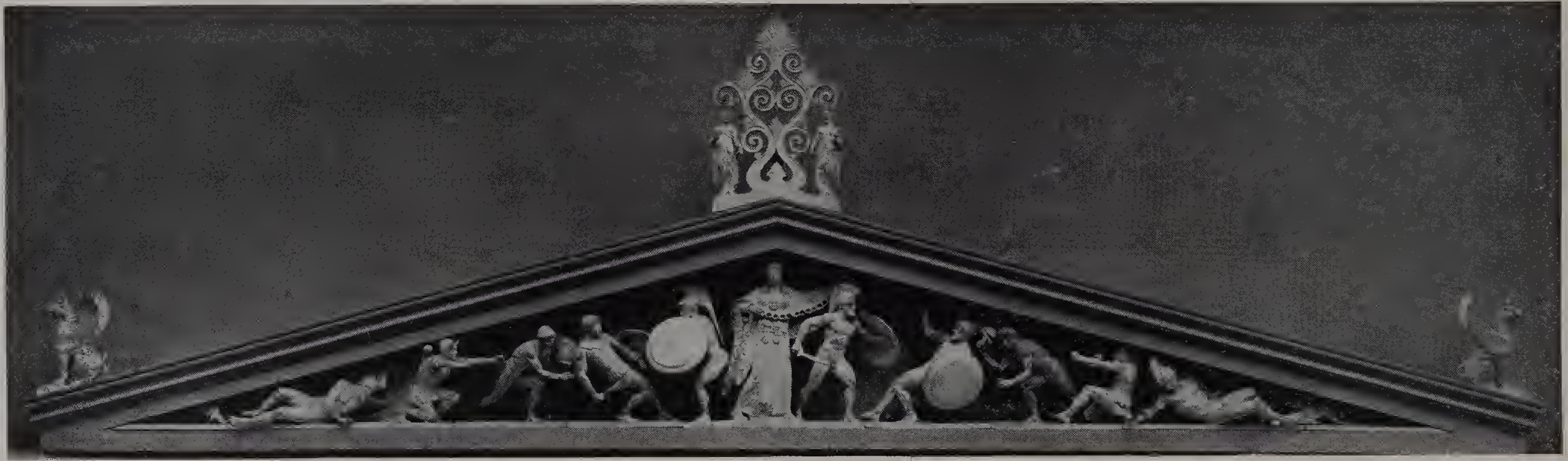


Fig. 389. Eastern pediment of the temple of Aphaia at Aigina, reconstruction by A. Furtwängler (cf. p. 122)

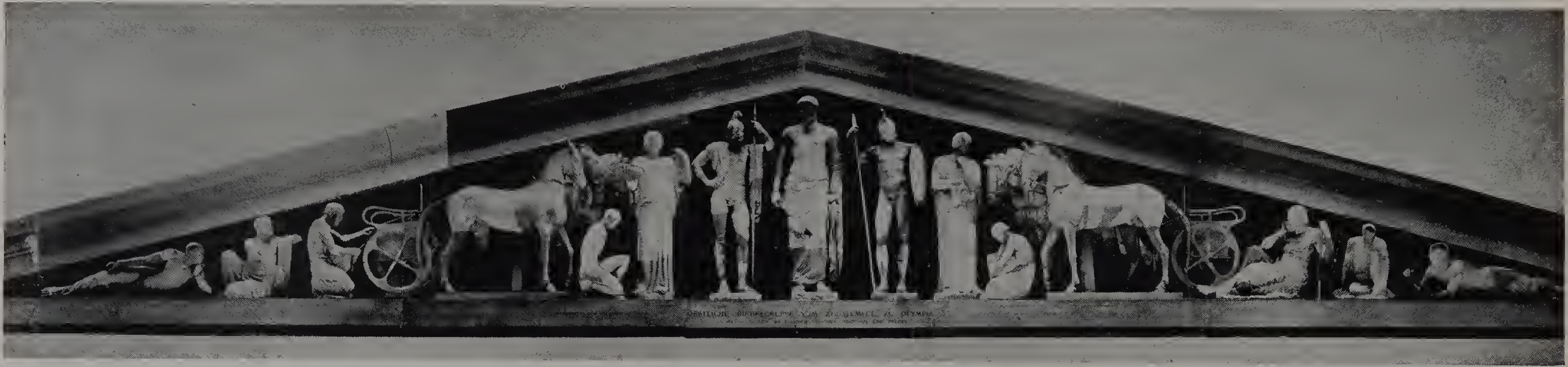


Fig. 390. Eastern pediment of the temple of Zeus at Olympia, reconstruction by Studniczka
(Cf. p. 123)

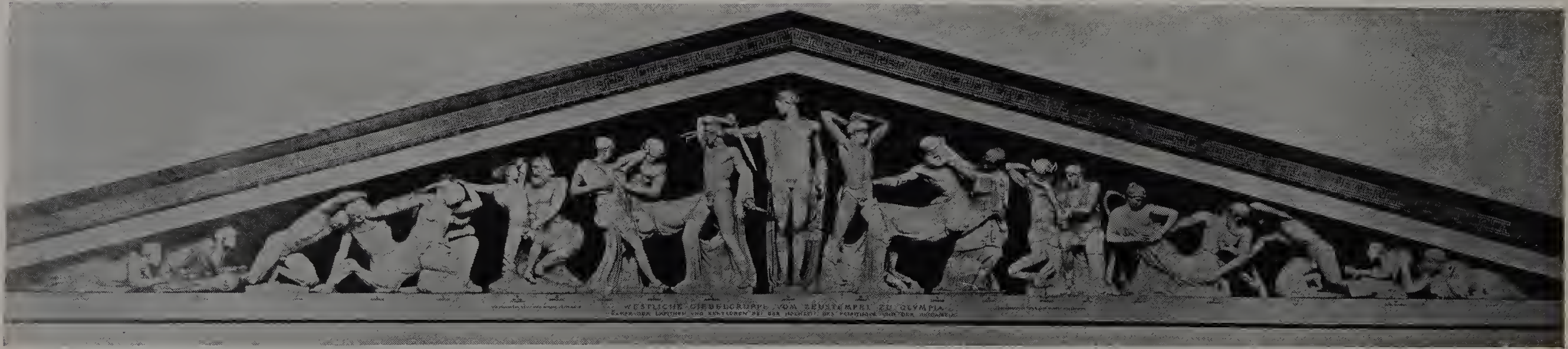

WESTLICHE GIEBELGRUPPE VOM ZEUSTEMPEL ZU OLYMPIA

Fig. 391. Western pediment of the temple of Zeus at Olympia, reconstruction by Treu
(Cf. p. 123)

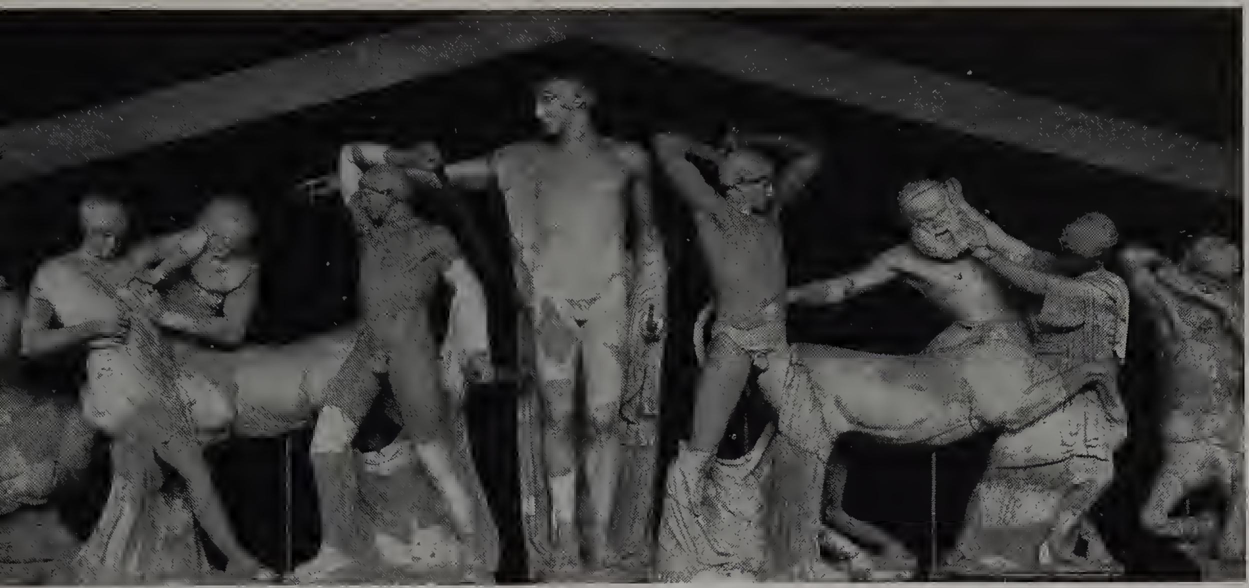


Fig. 392. Middle portion of the western pediment at Olympia, reconstruction by Treu
(Cf. pp. 55, 123)

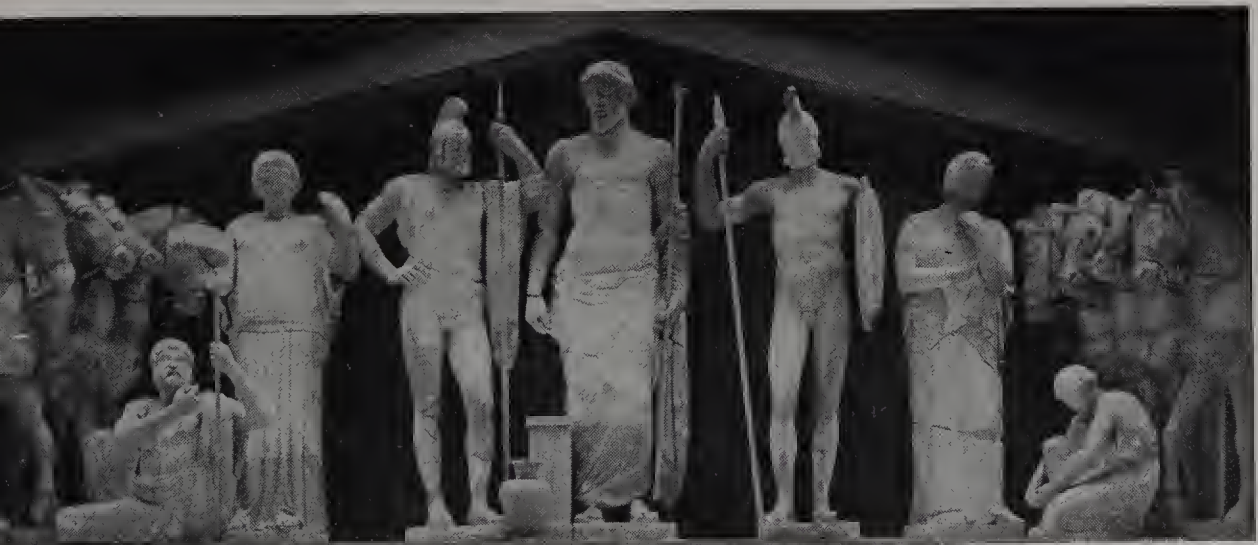


Fig. 393. Middle portion of the eastern pediment at Olympia, reconstruction by Wernicke
(Cf. pp. 123, 178)

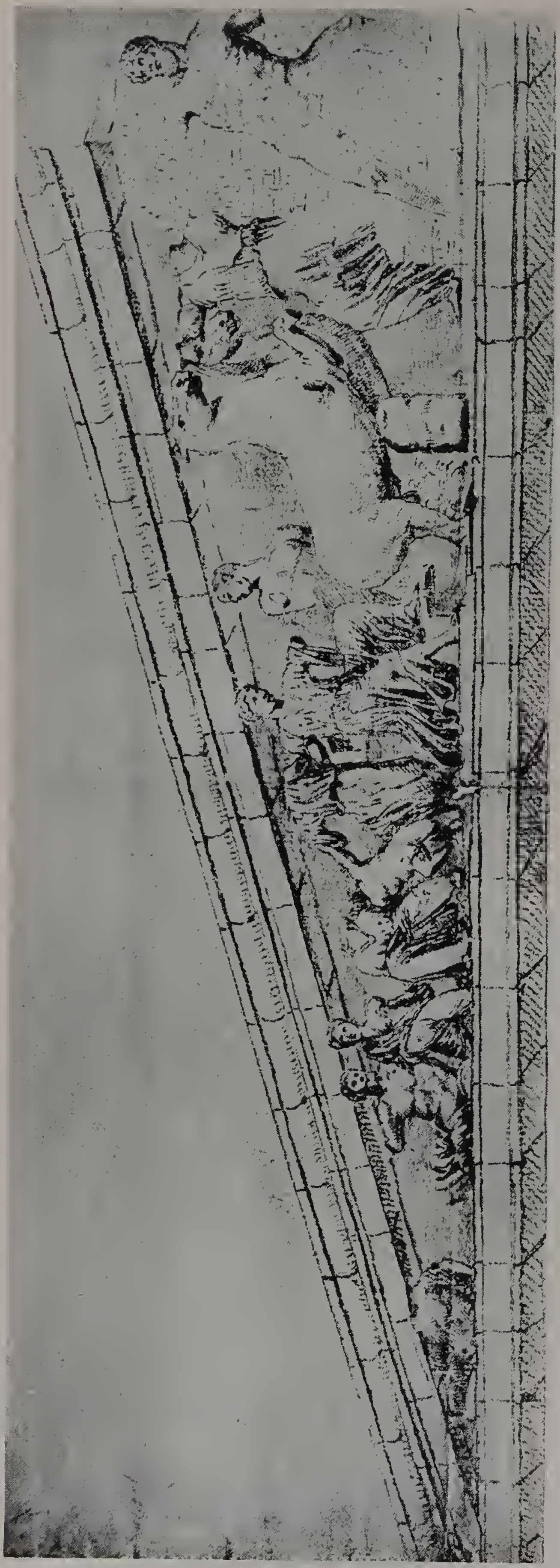
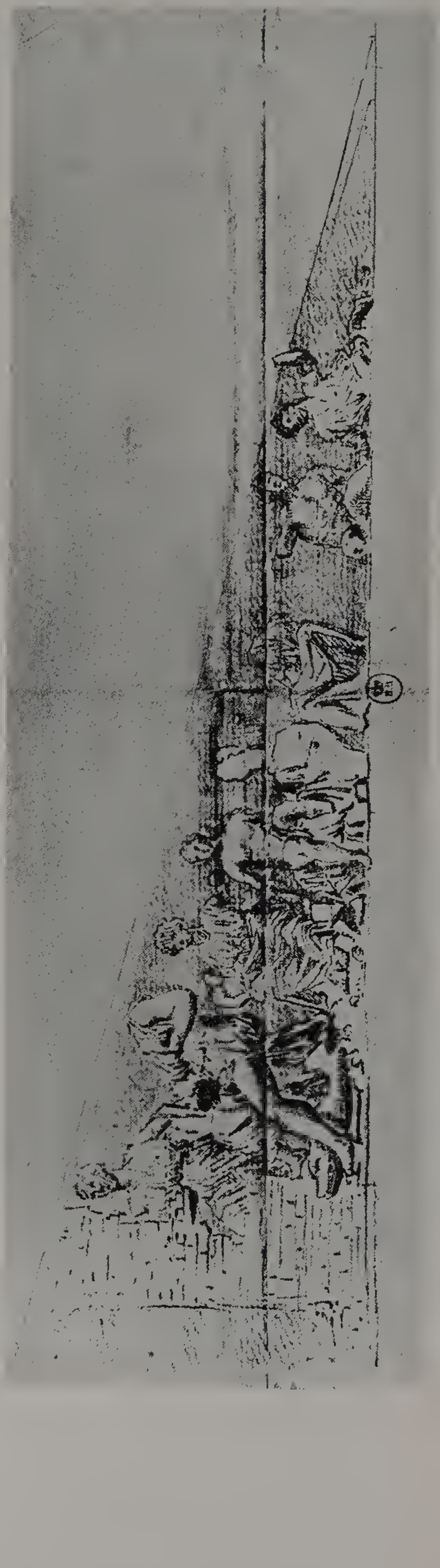


Fig. 394. Left portion of the western pediment of the Parthenon (as drawn in 1674)

(Cf. p. 124)



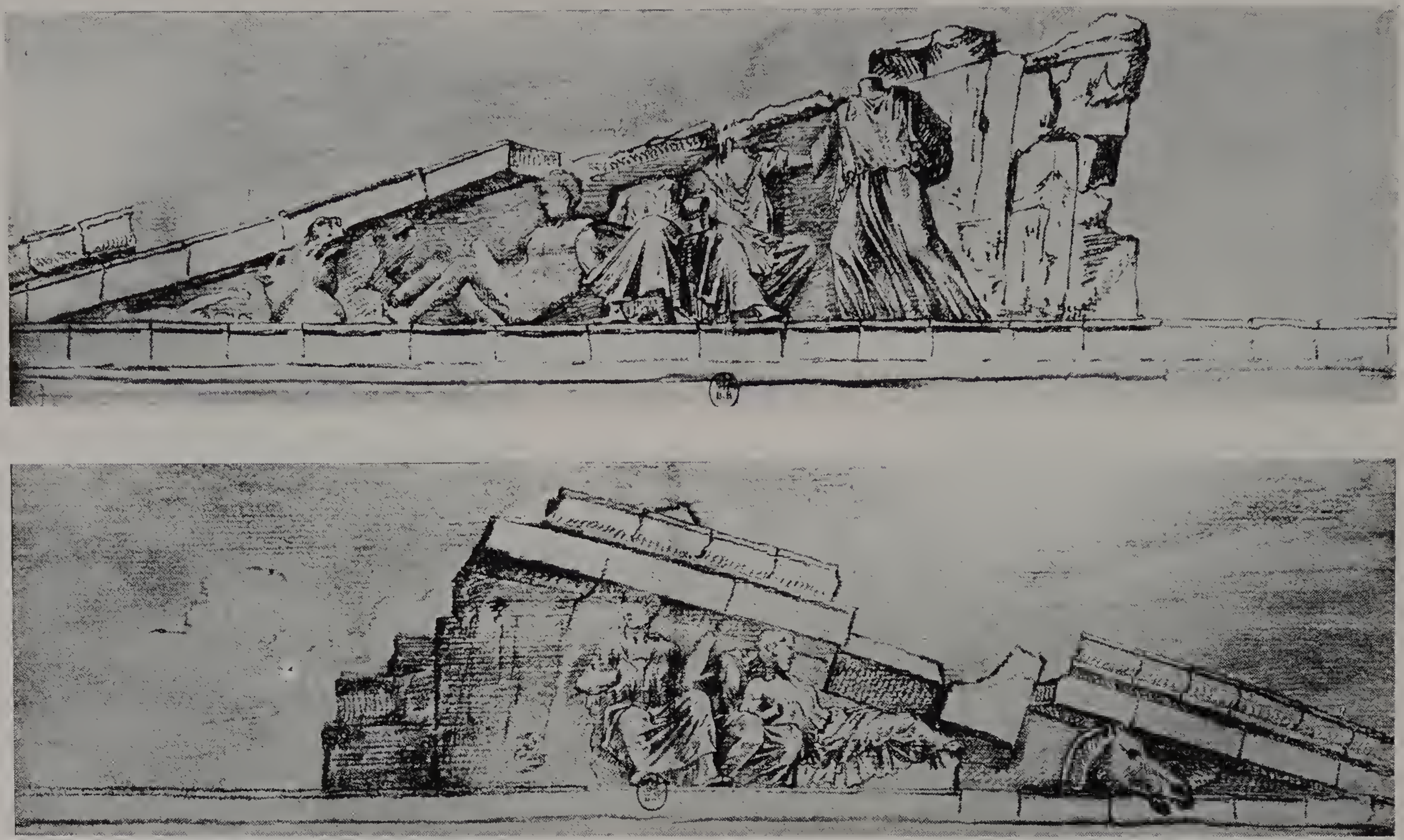


Fig. 396. Left and right ends of the eastern pediment of the Parthenon (as drawn in 1674)

(Cf. p. 124)

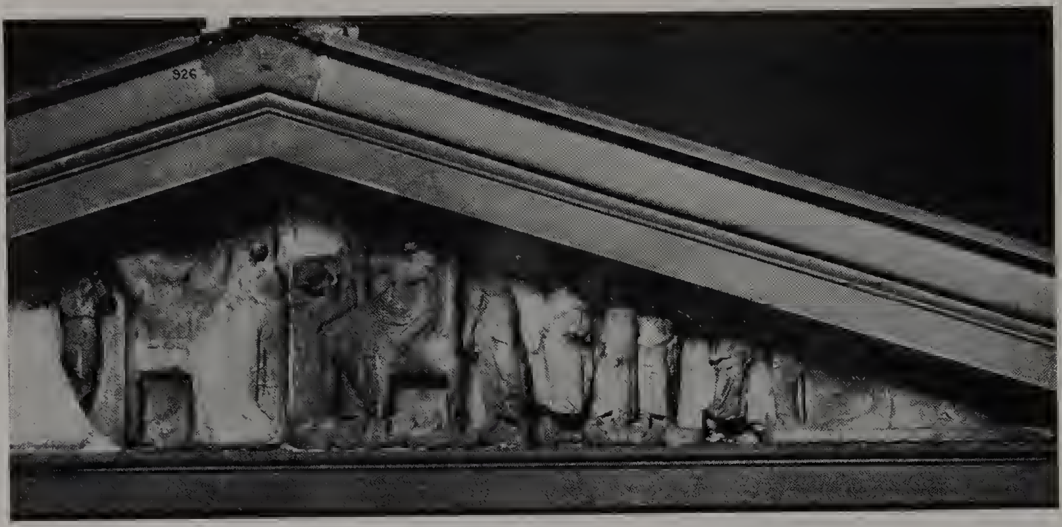


Fig. 397. Pediment of the Nereid monument

British Museum, London

(Cf. p. 125)

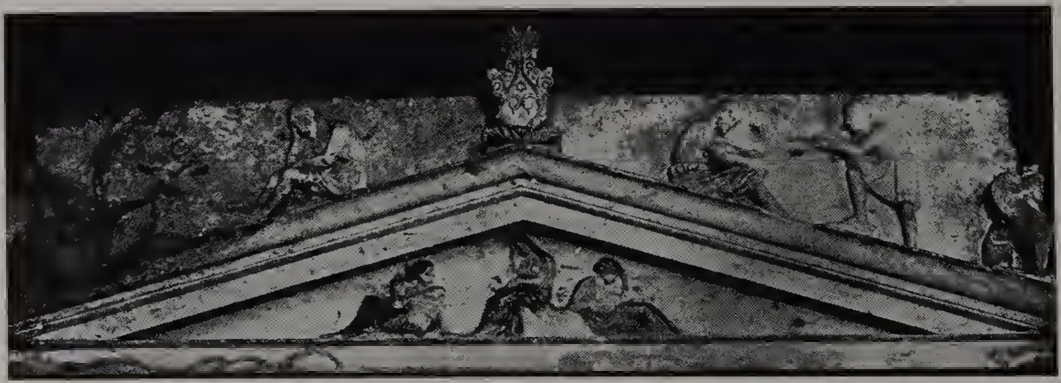


Fig. 398. Pediment of the sarcophagus of Mourning Women, from Sidon

Musées d'Antiquités de Stamboul (*Constantinople*)

(Cf. p. 125)

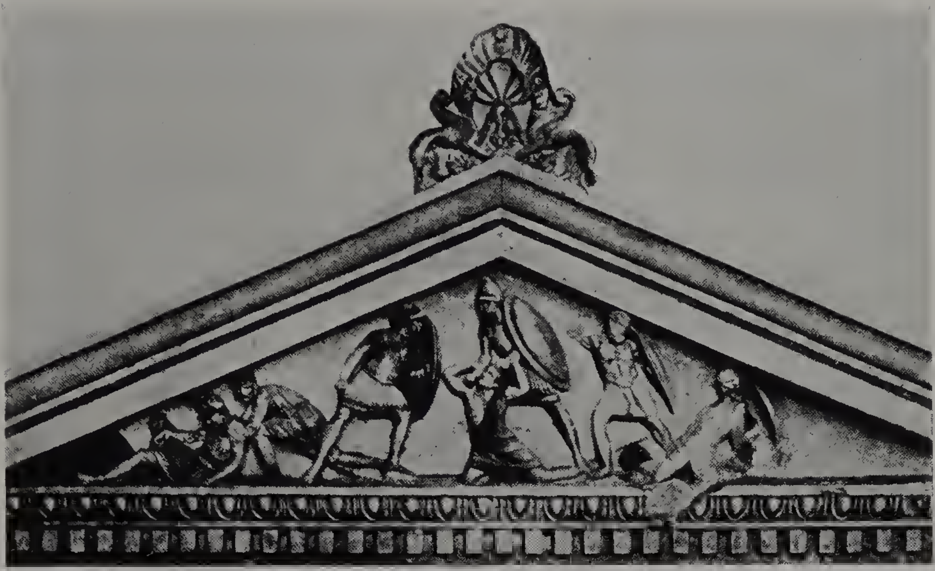


Fig. 399. Pediment of the "Alexander sarcophagus"
Musées d'Antiquités de Stamboul (Constantinople)
(Cf. p. 125)

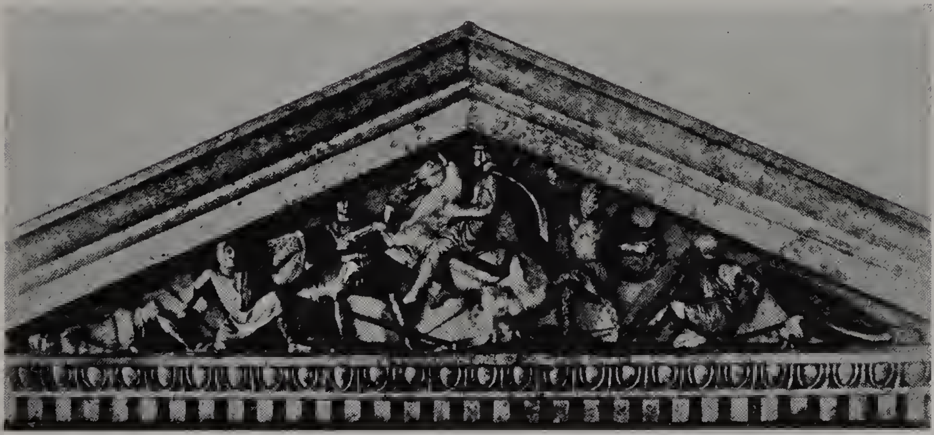


Fig. 400. Pediment of the "Alexander sarcophagus"
Musées d'Antiquités de Stamboul (Constantinople)
(Cf. p. 125)

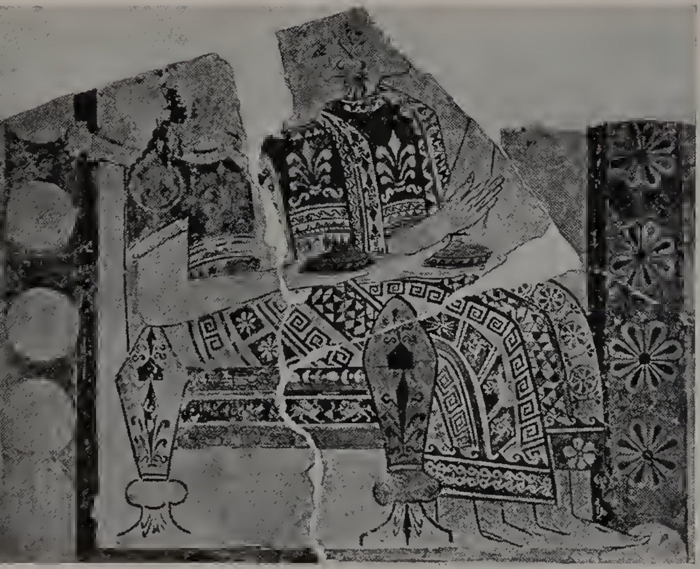


Fig. 401. Seated goddesses, from a metope of the temple at Thermos (from a water-color)

National Museum, Athens

(Cf. p. 125)

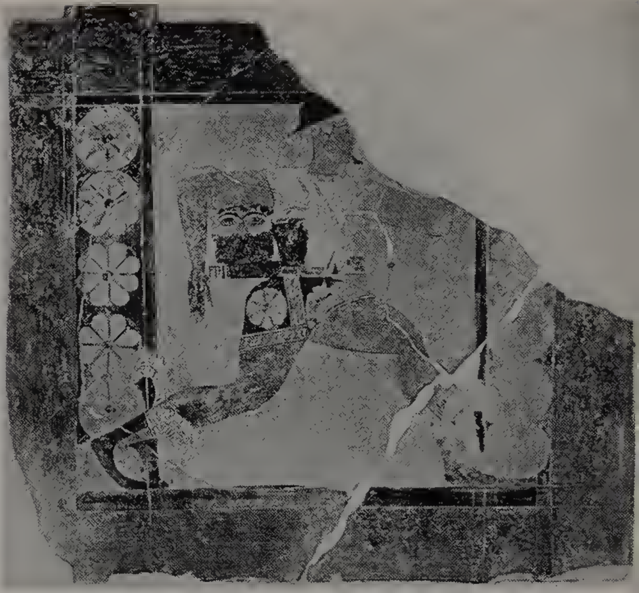


Fig. 402. Perseus, from a metope of the temple at Thermos (from a water-color)

National Museum, Athens

(Cf. p. 125)

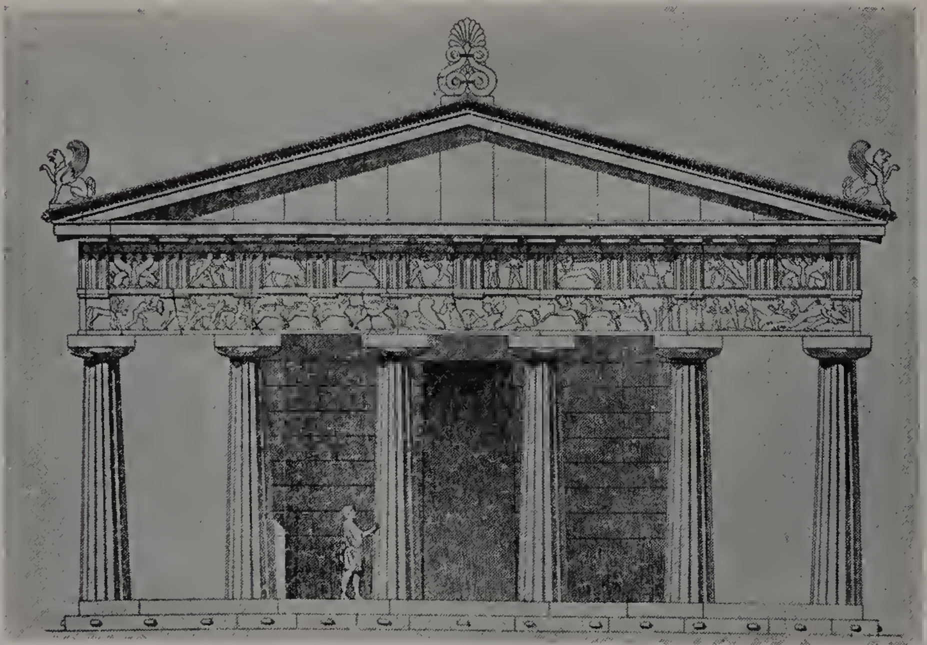


Fig. 403. Reconstruction of the east side of the temple at Assos

(Cf. pp. 126, 130)

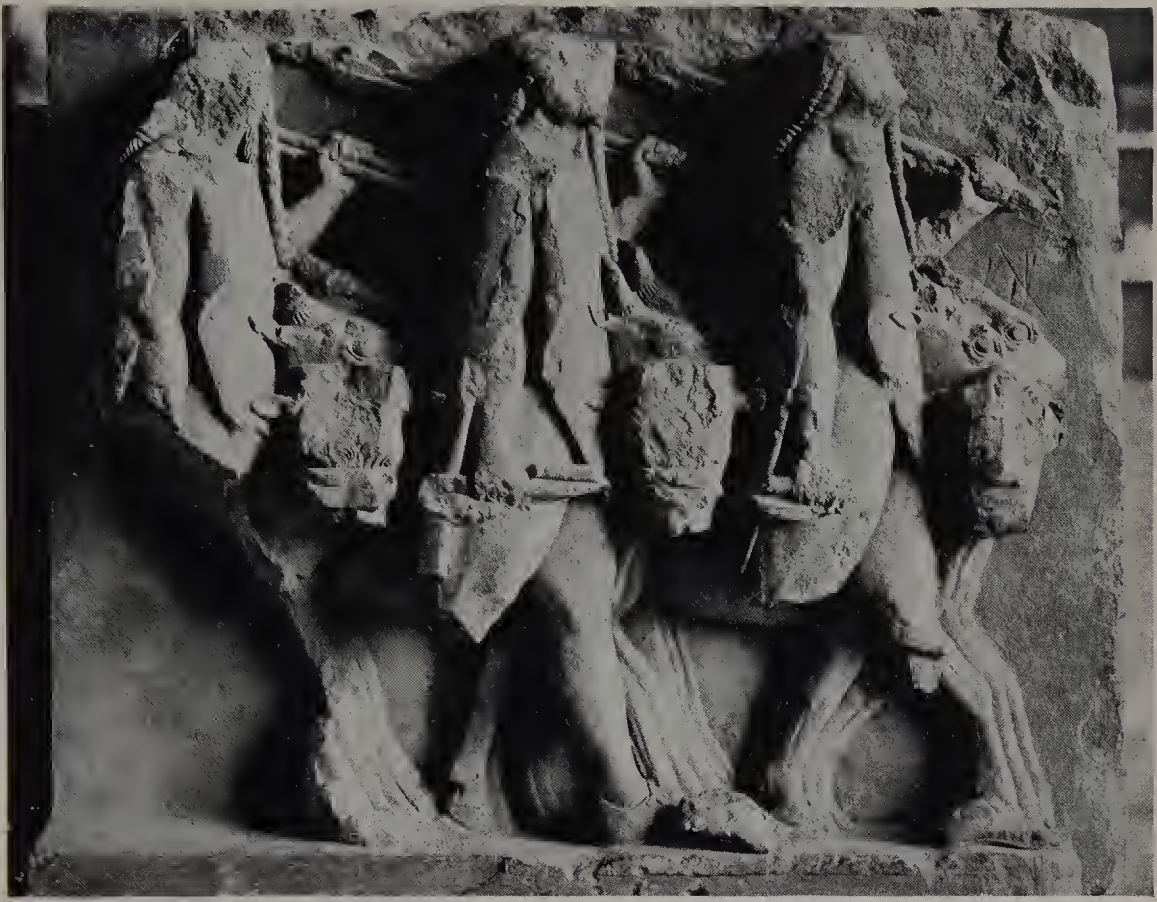


Fig. 404. Dioskouroi and the sons of Alphareos, from the "Sikyonian" Treasury at Delphi

Delphi Museum

(Cf. pp. 126, 165)

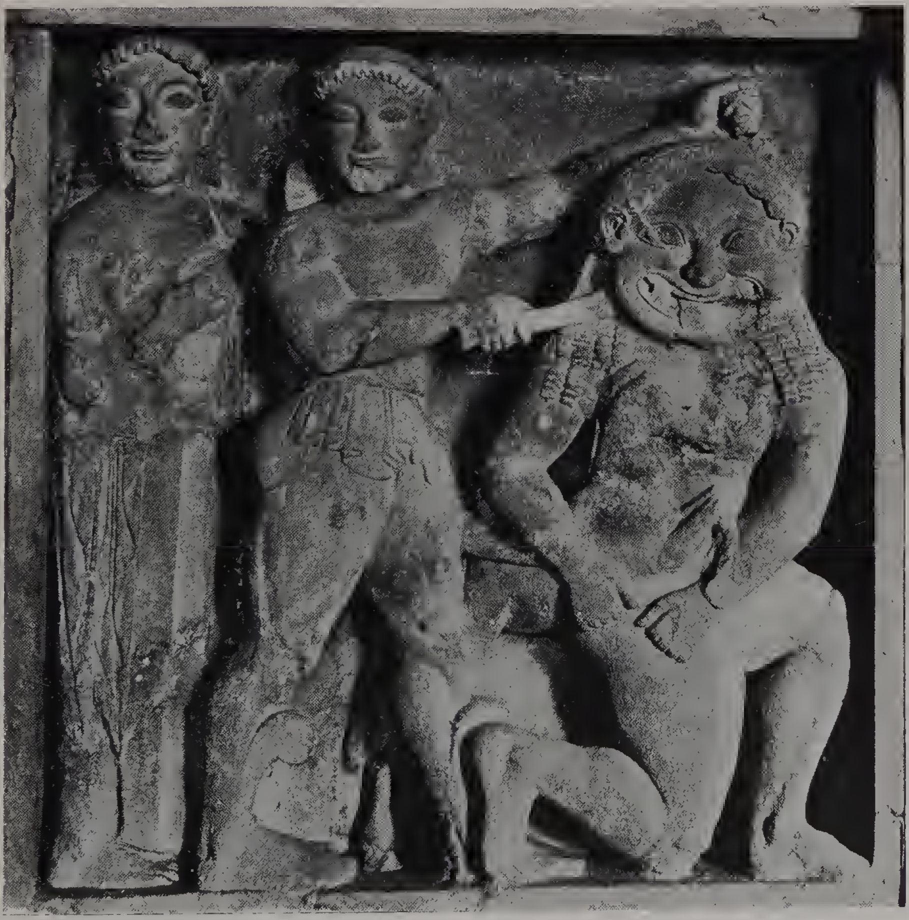


Fig. 405. Perseus cutting off the head of Medusa, from a metope of temple C at Selinus

Museo Nazionale, Palermo

(Cf. pp. 126, 167–168)

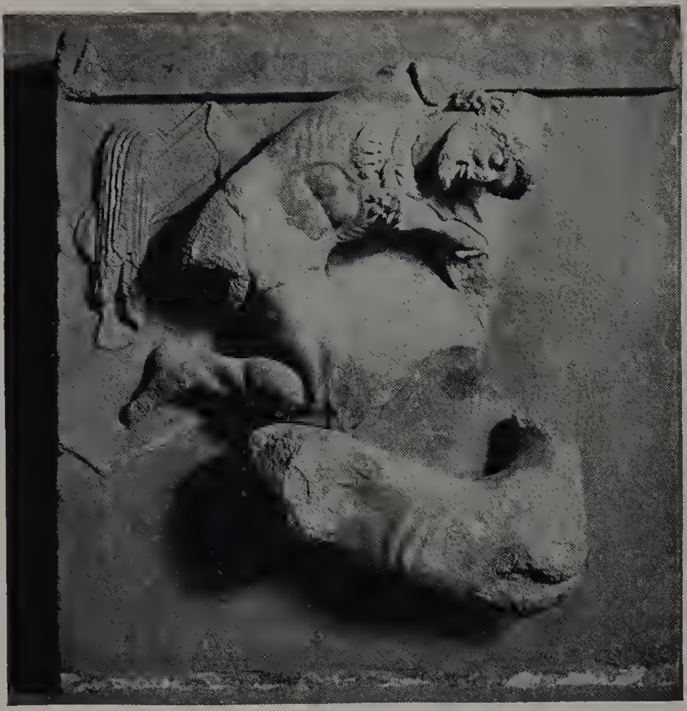


Fig. 406. Herakles and the Kerynean hind, from a metope of the Athenian Treasury at Delphi

Delphi Museum

(Cf. p. 127)

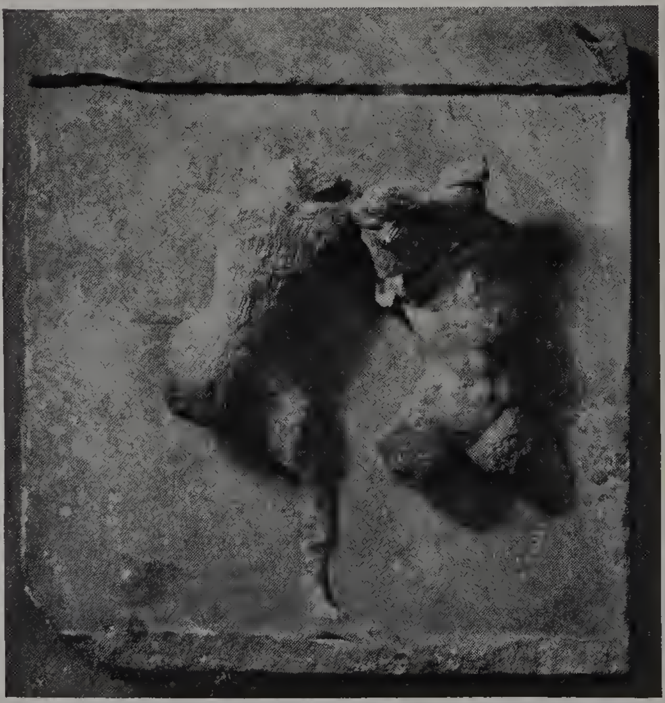


Fig. 407. Theseus and the Minotaur, from a metope of the Athenian Treasury

Delphi Museum

(Cf. pp. 94, 127)

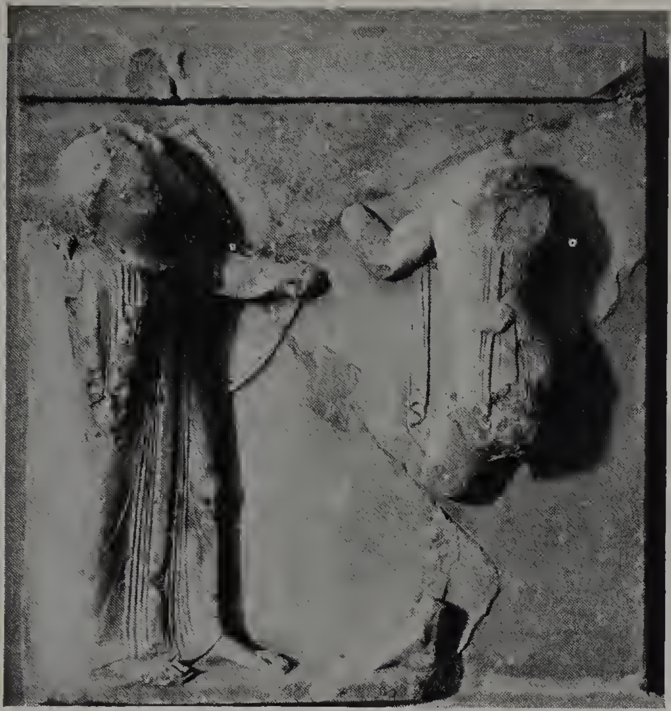


Fig. 408. Athena and Theseus, from a metope of the Athenian Treasury

Delphi Museum

(Cf. pp. 94, 127)

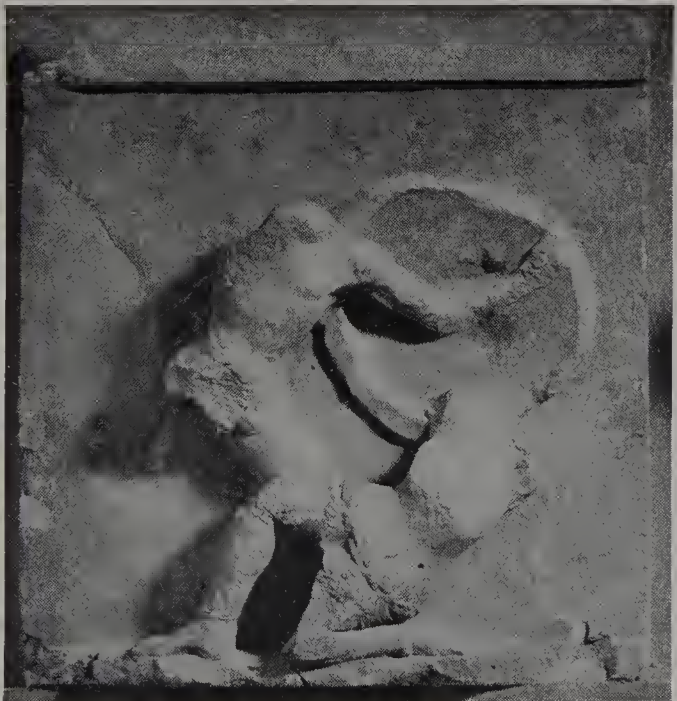


Fig. 409. Contest of warriors, from a metope of the Athenian Treasury

Delphi Museum

(Cf. p. 127)

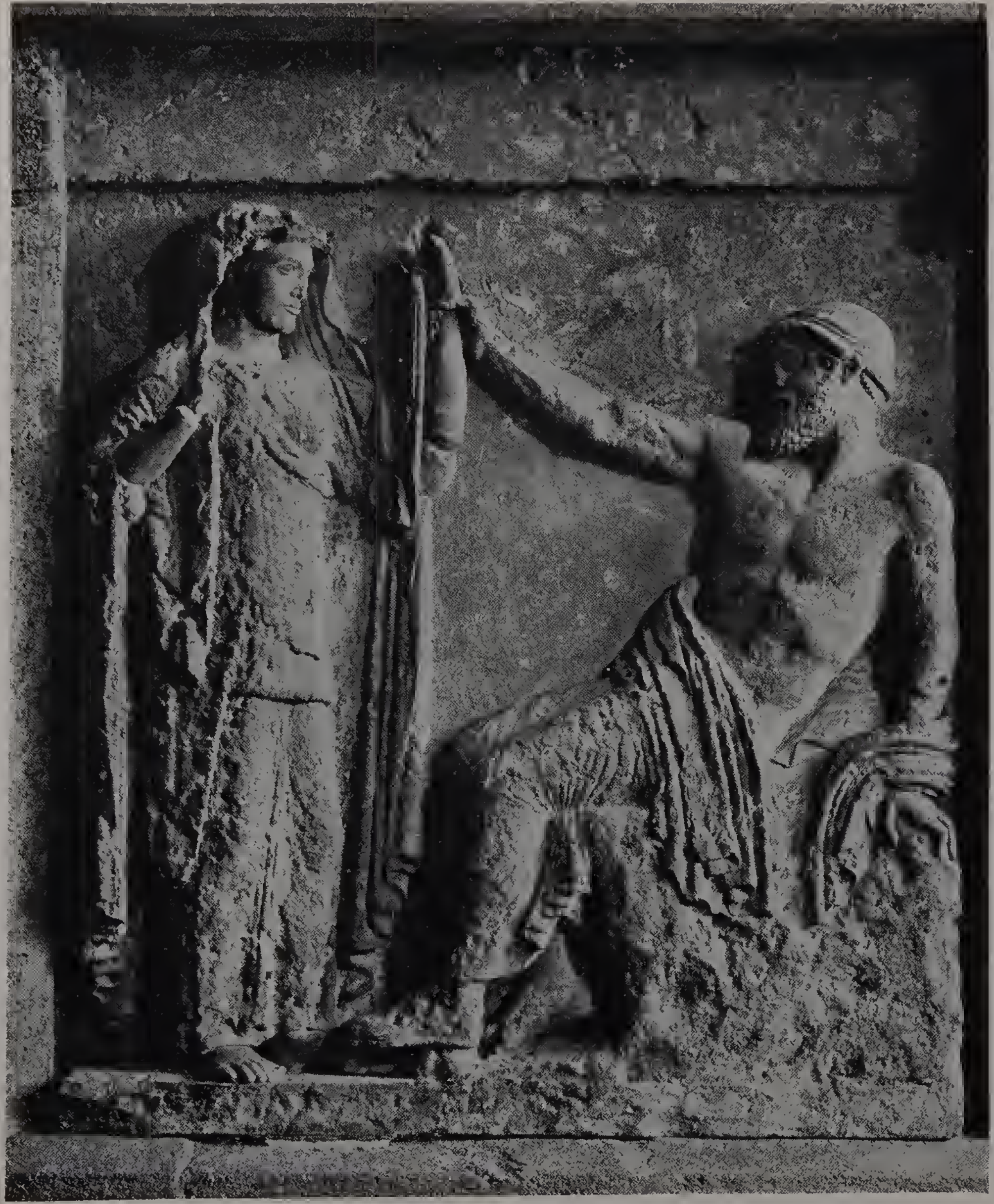


Fig. 410. Zeus and Hera, from a metope of temple E at Selinus
Museo Nazionale, Palermo

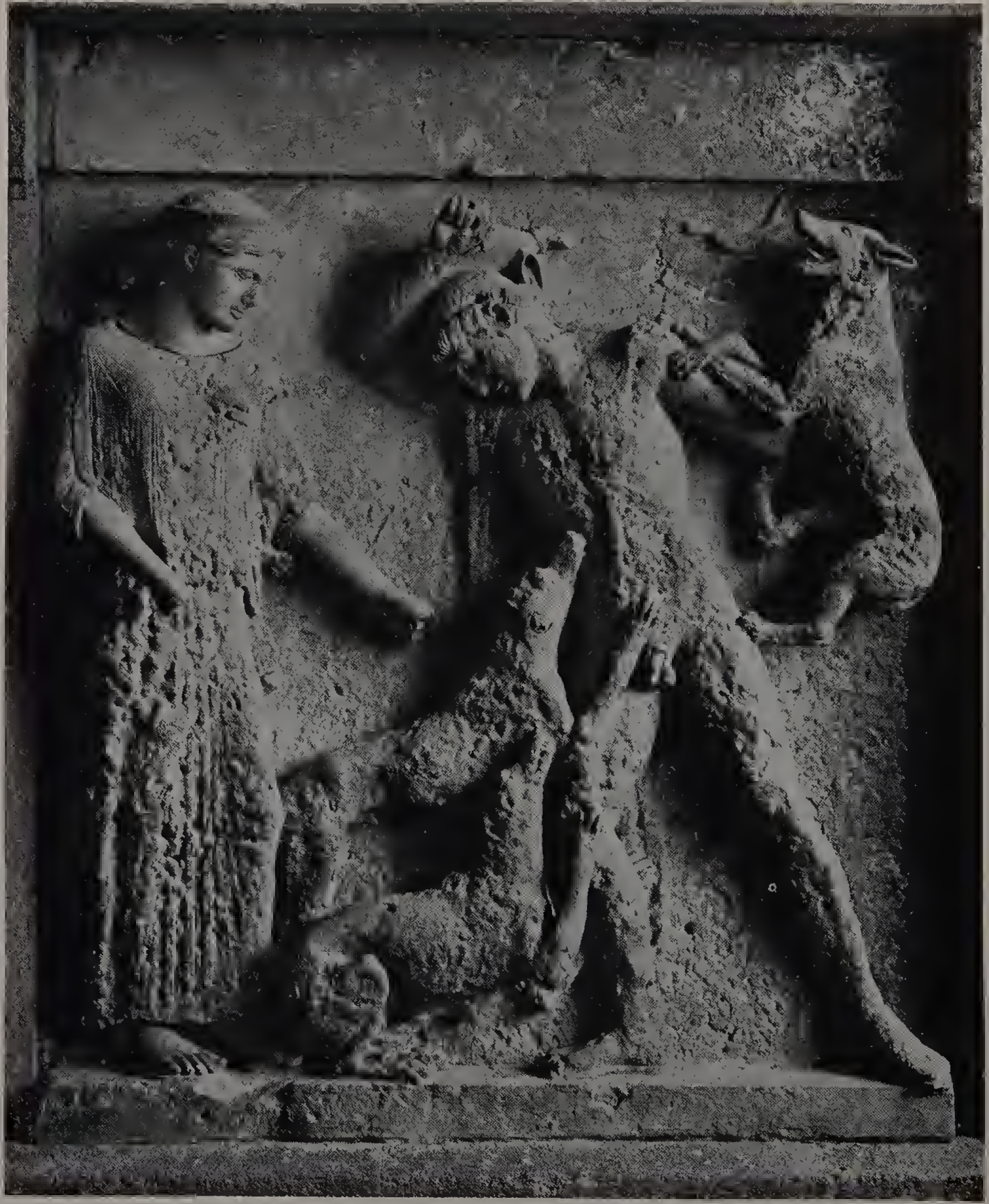


Fig. 411. Artemis and Aktaion, from a metope of temple E at Selinus
Museo Nazionale, Palermo

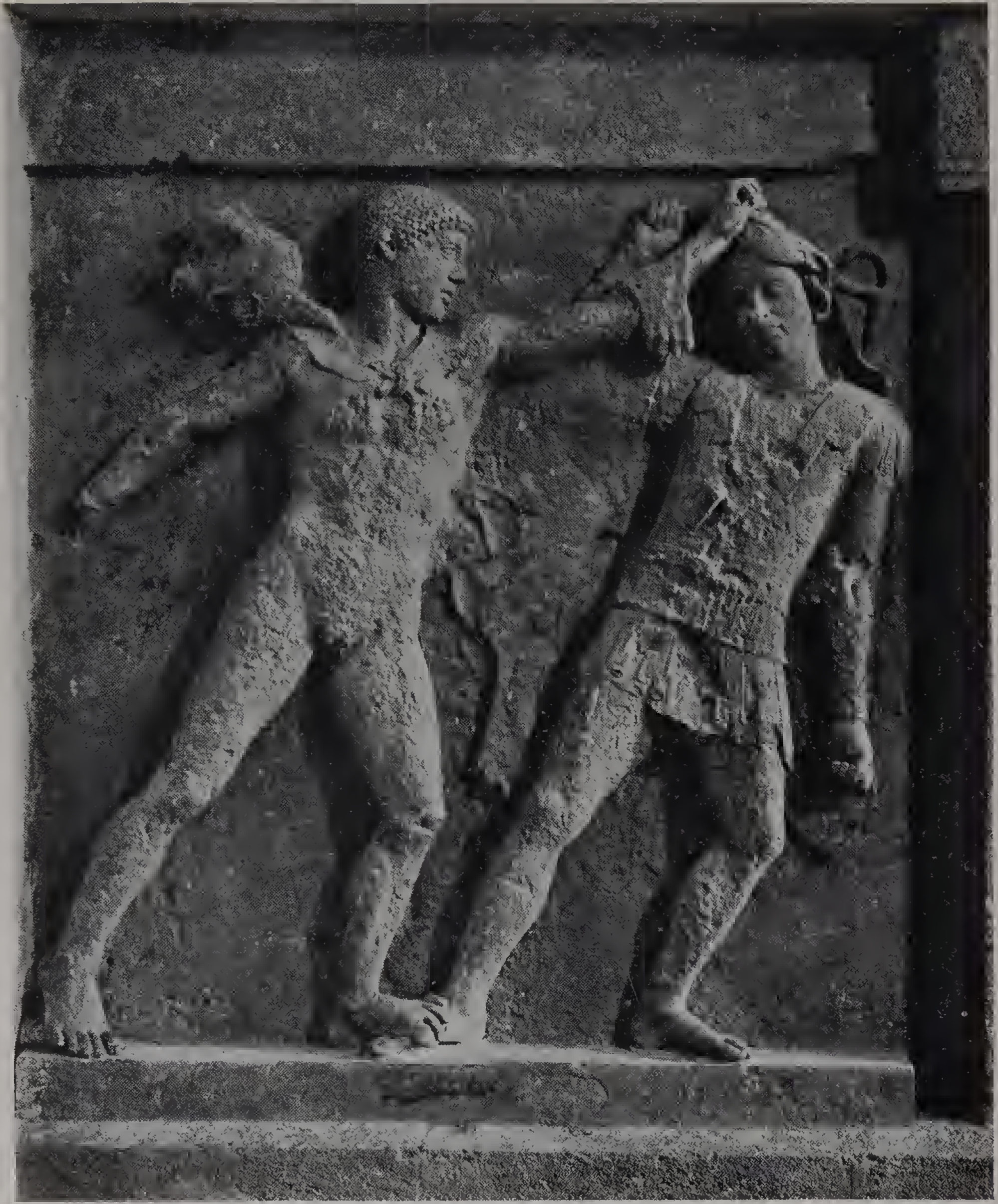


Fig. 412. Herakles and an Amazon, from a metope of temple E at Selinus
Museo Nazionale, Palermo
(Cf. pp. 65, 127)

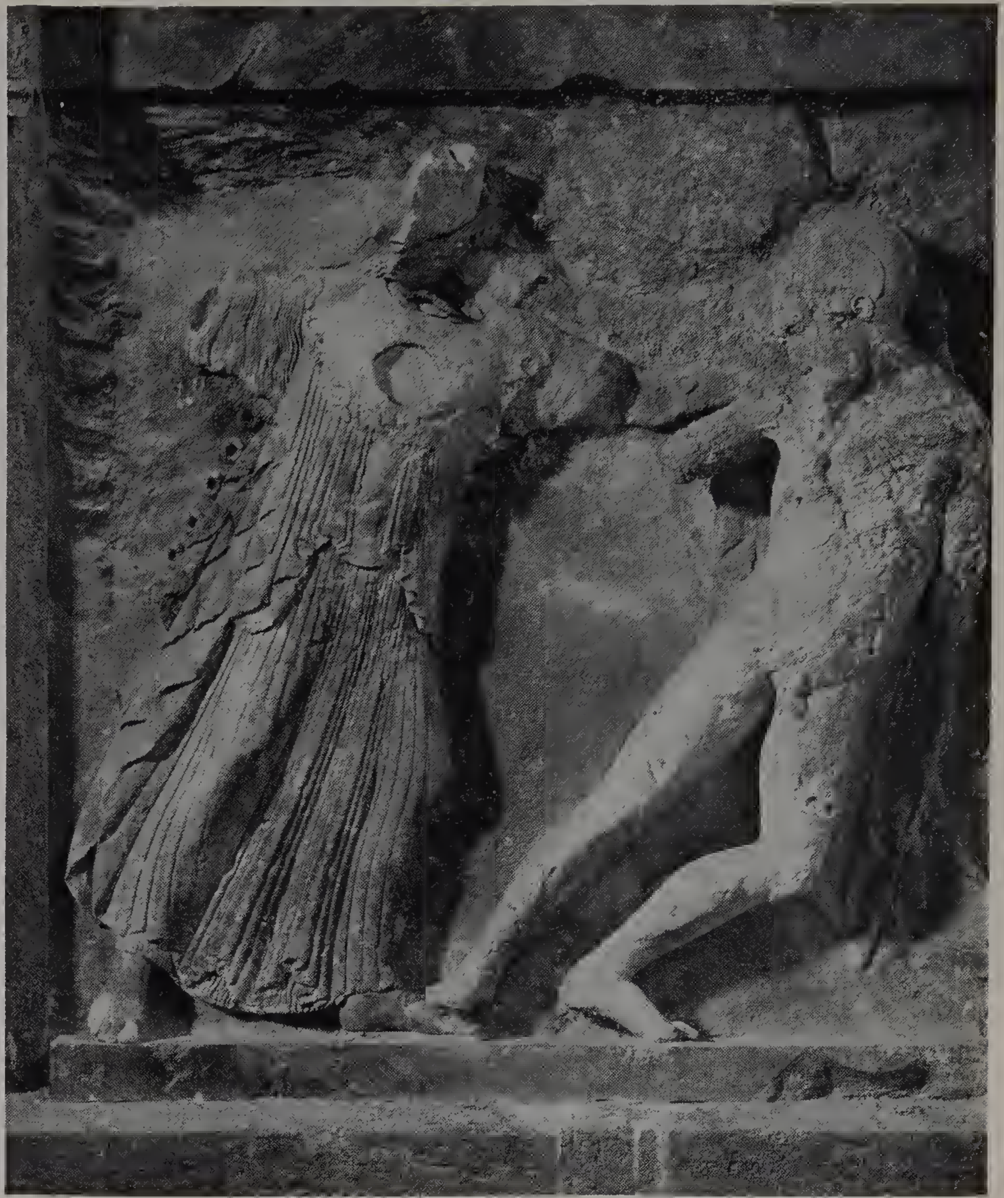


Fig. 413. Athena and a giant, from a metope of temple E at Selinus
Museo Nazionale, Palermo
(Cf. pp. 68, 127)

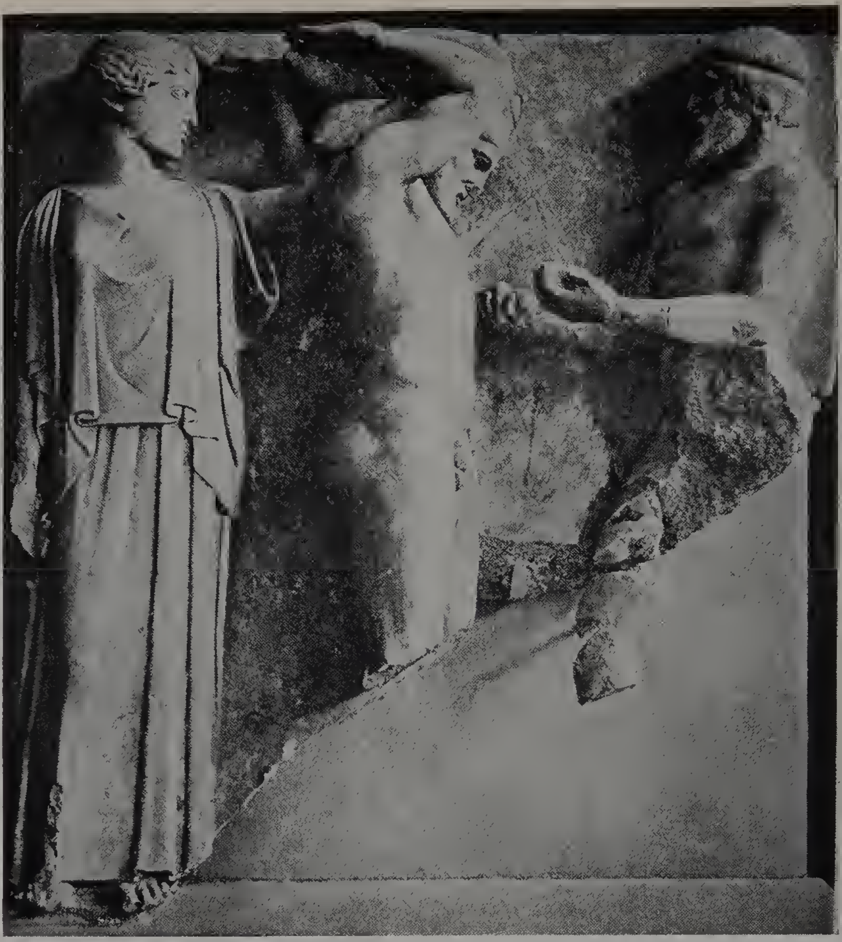


Fig. 414. Herakles and Atlas, from a metope of the temple of Zeus at Olympia (cf. p. 128)

Olympia Museum

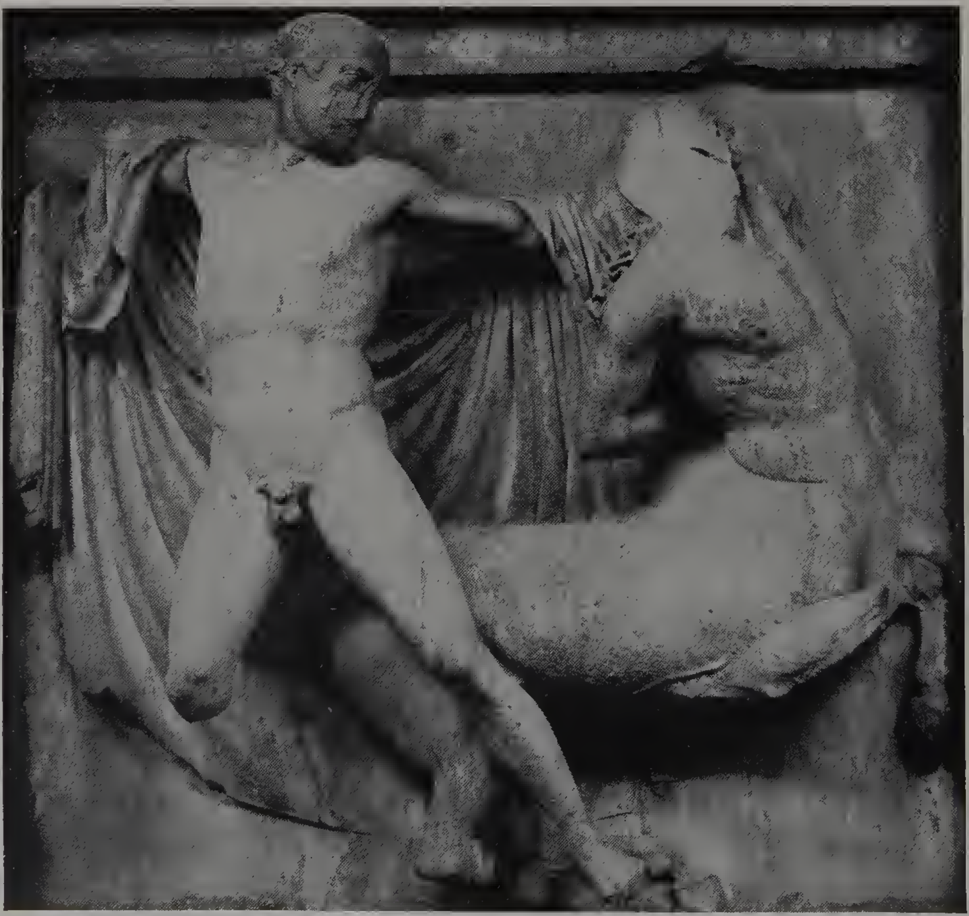


Fig. 415. Lapith and Centaur, from a Parthenon metope (cf. p. 128)

British Museum, London

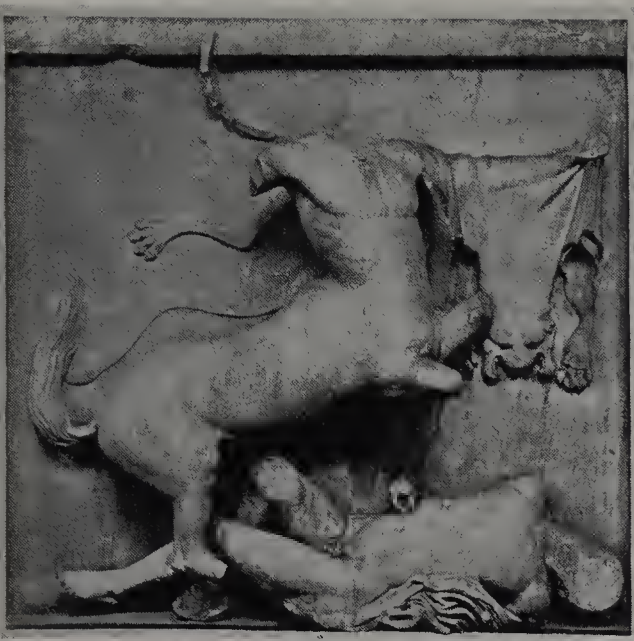


Fig. 416. Centaur and Lapith, from a Parthenon metope

British Museum, London

(Cf. p. 128)

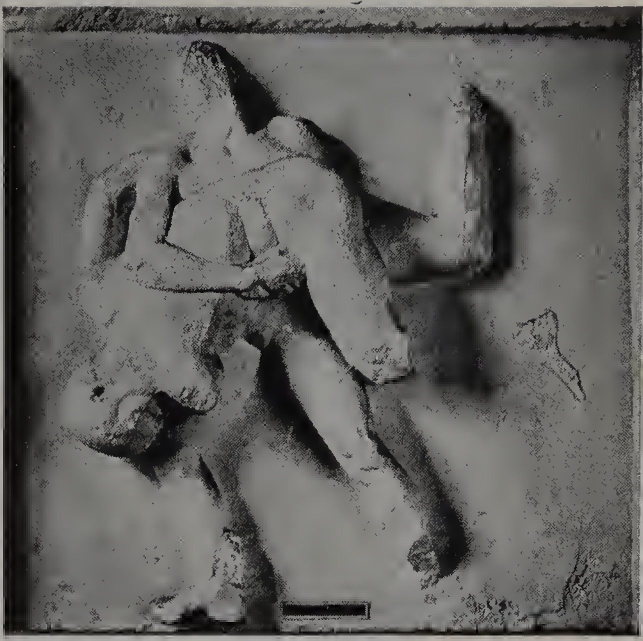


Fig. 417. Theseus and Kerkyon, from a metope of the "Theseion"

In situ

(Cf. p. 129)

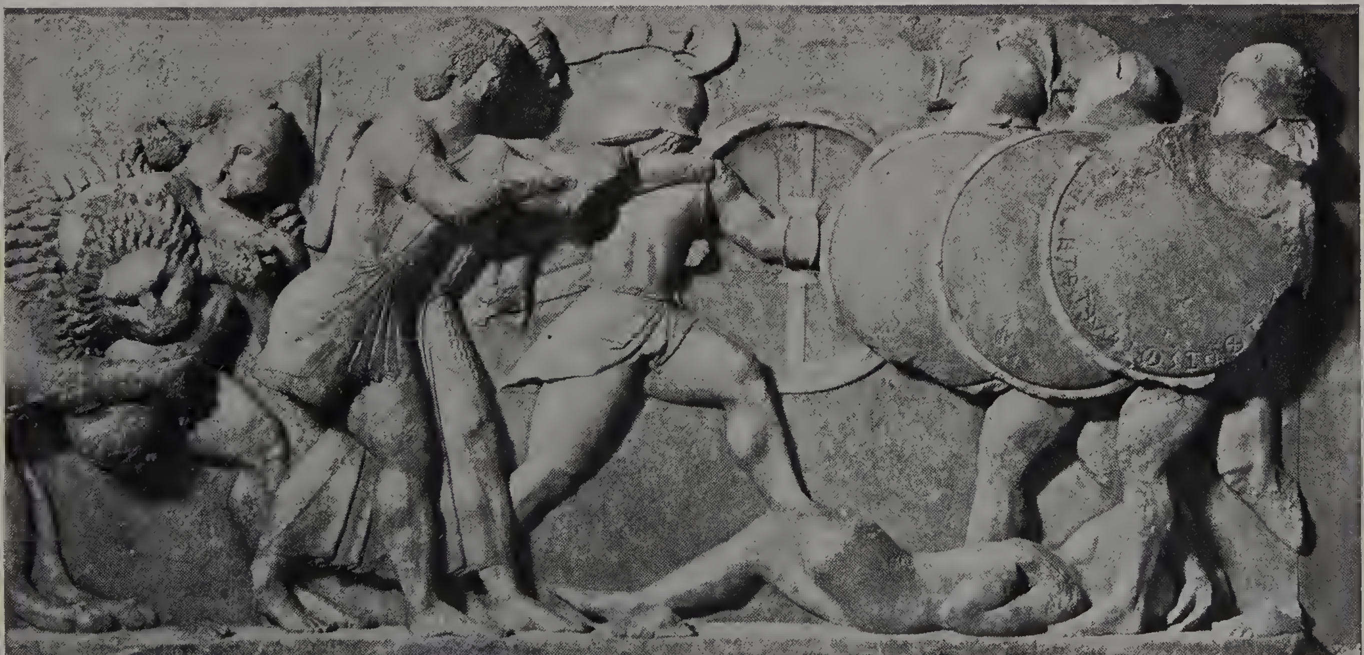


Fig. 418. Battle of the gods and giants, from the frieze of the Siphnian Treasury

Delphi Museum

(Cf. pp. 130, 166)

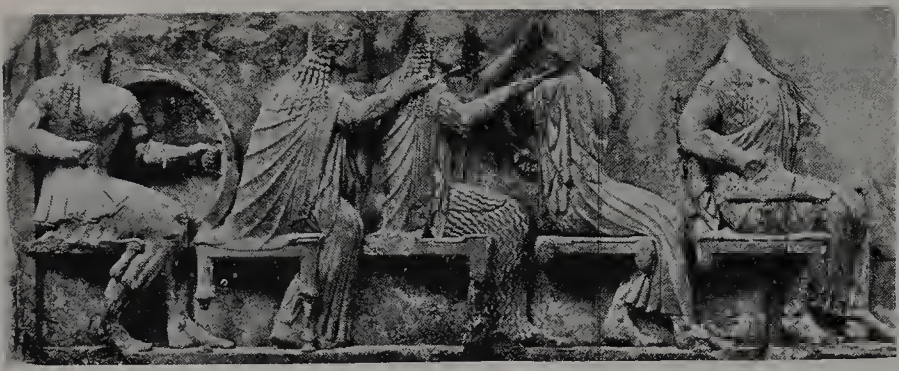


Fig. 419. Seated deities, from the frieze of the Siphnian Treasury at Delphi
Delphi Museum
(Cf. p. 130)

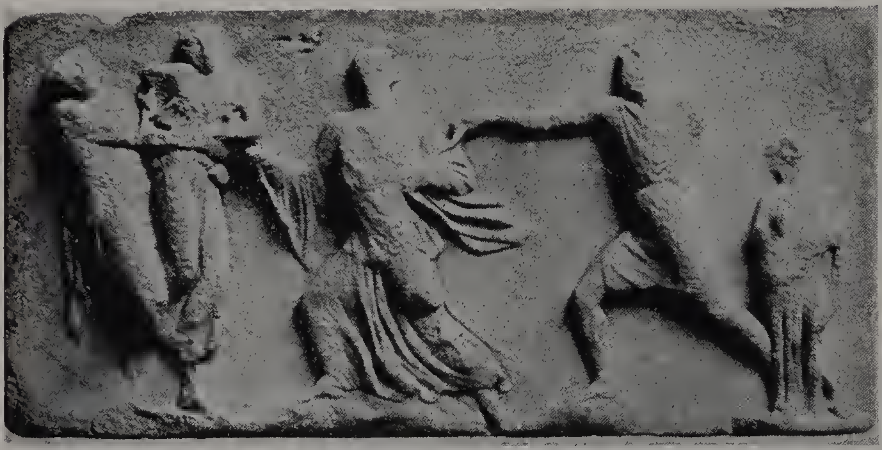


Fig. 420. Portion of the frieze of the Ilissos temple (cf. p. 130)
Staatliche Museen, Berlin

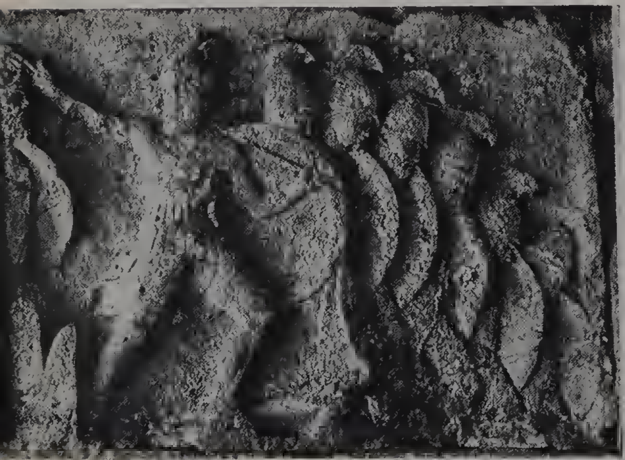


Fig. 421. Warriors from the frieze of the Heroön at Gjölbaschi (cf. p. 131)
Kunsthistorisches Museum, Vienna

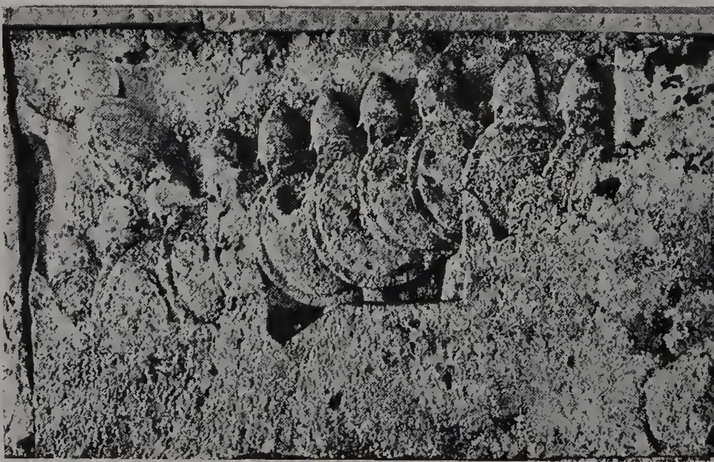


Fig. 422. Warriors from the same frieze as Fig. 421
(Cf. pp. 131, 172)

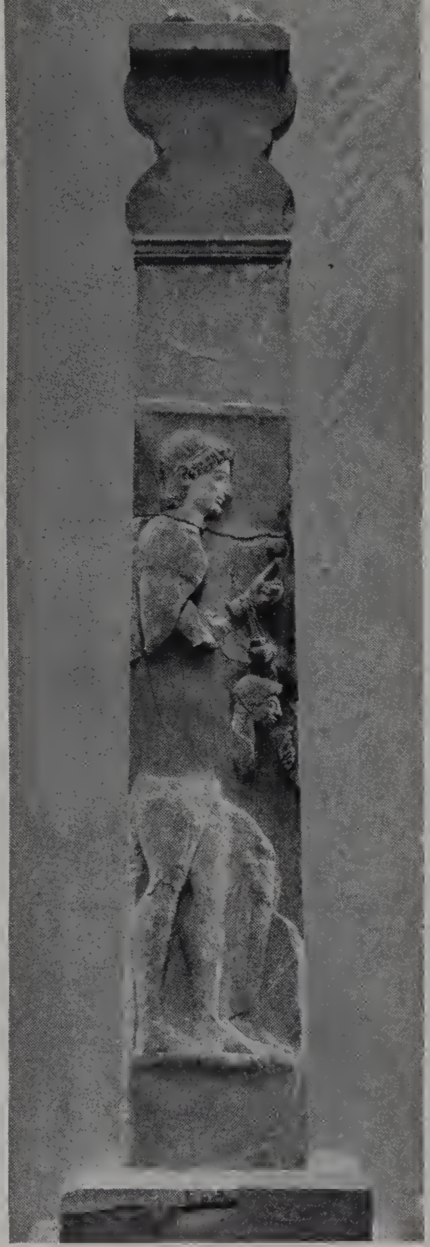


Fig. 423. Stele of a brother and sister
Metropolitan Museum of Art
(Cf. p. 132)

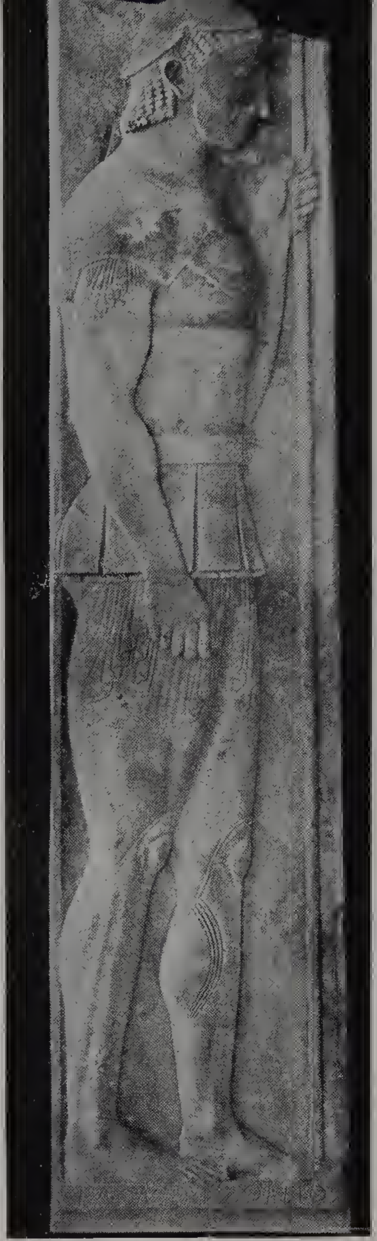


Fig. 424. Stele of Aristion by Aristokles (cf. pp. 132, 166)
National Museum, Athens

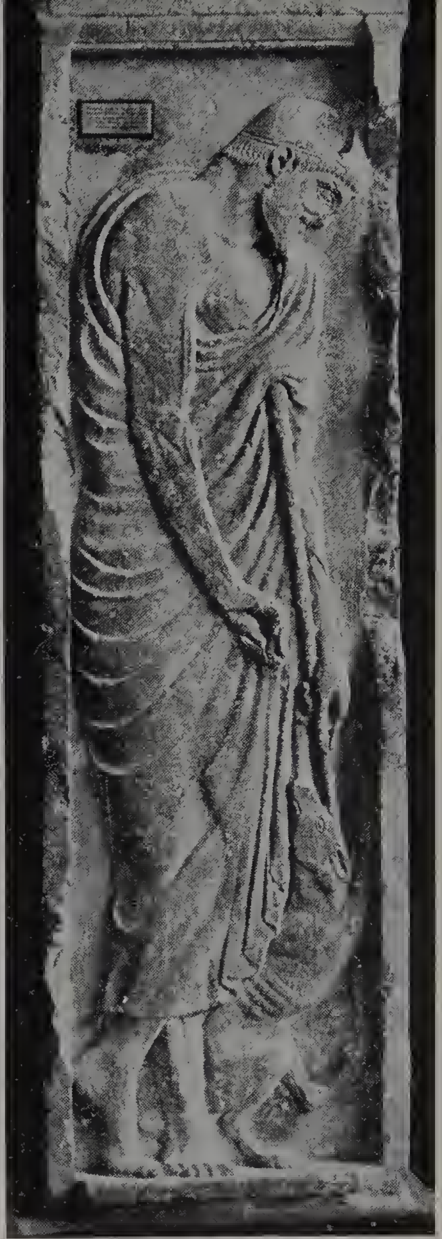


Fig. 425. Stele from Orchomenos by Alxenor (cf. pp. 132, 168)
National Museum, Athens

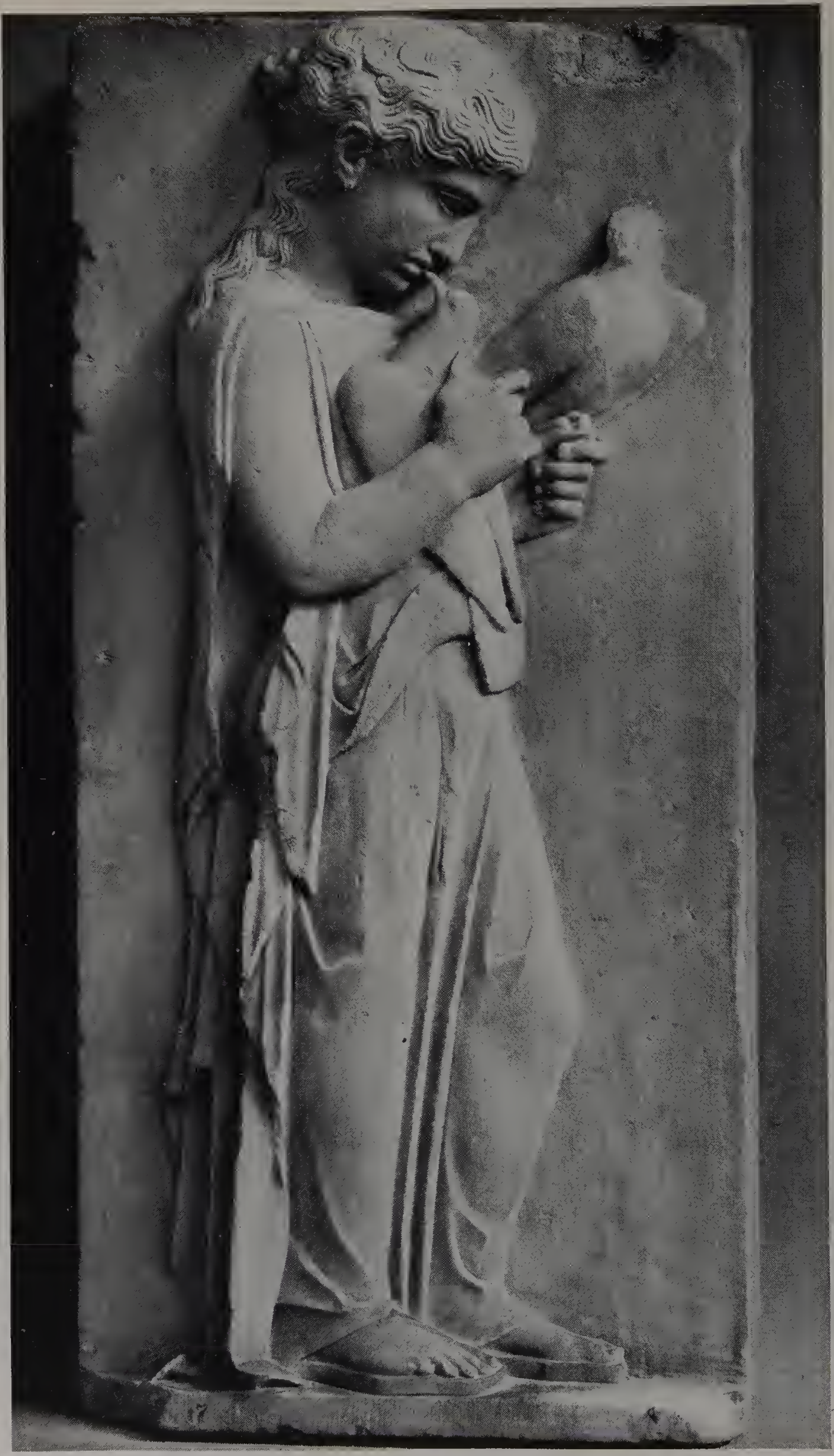


Fig. 426. Stele of a girl with pigeons
Metropolitan Museum of Art

(Cf. pp. 132, 204)

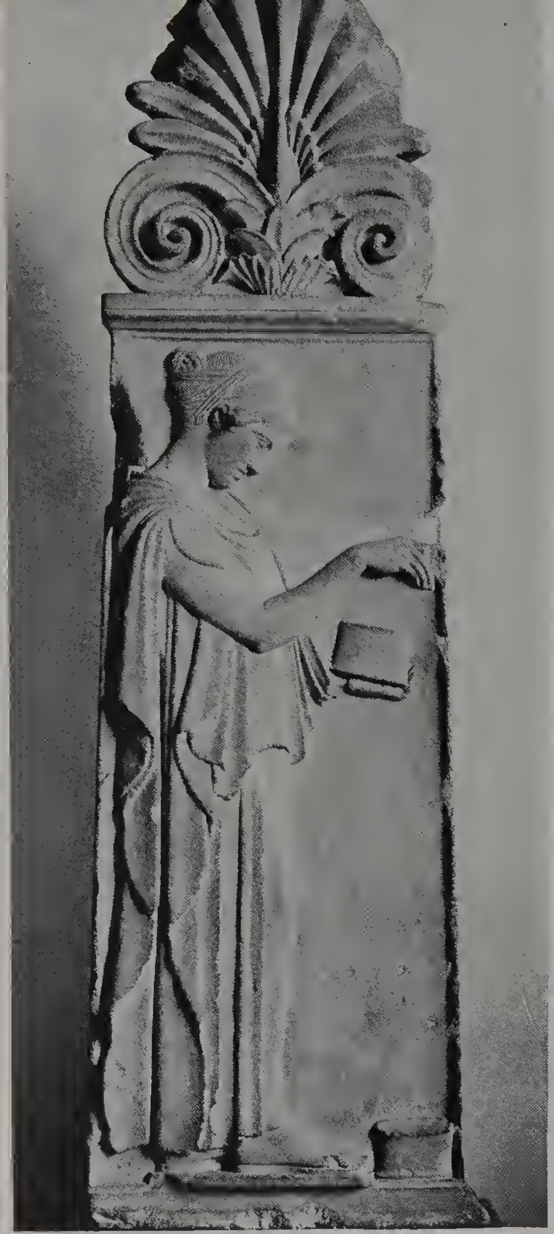


Fig. 427. Stele of a girl with a casket (cf. p. 132)
Staatliche Museen, Berlin

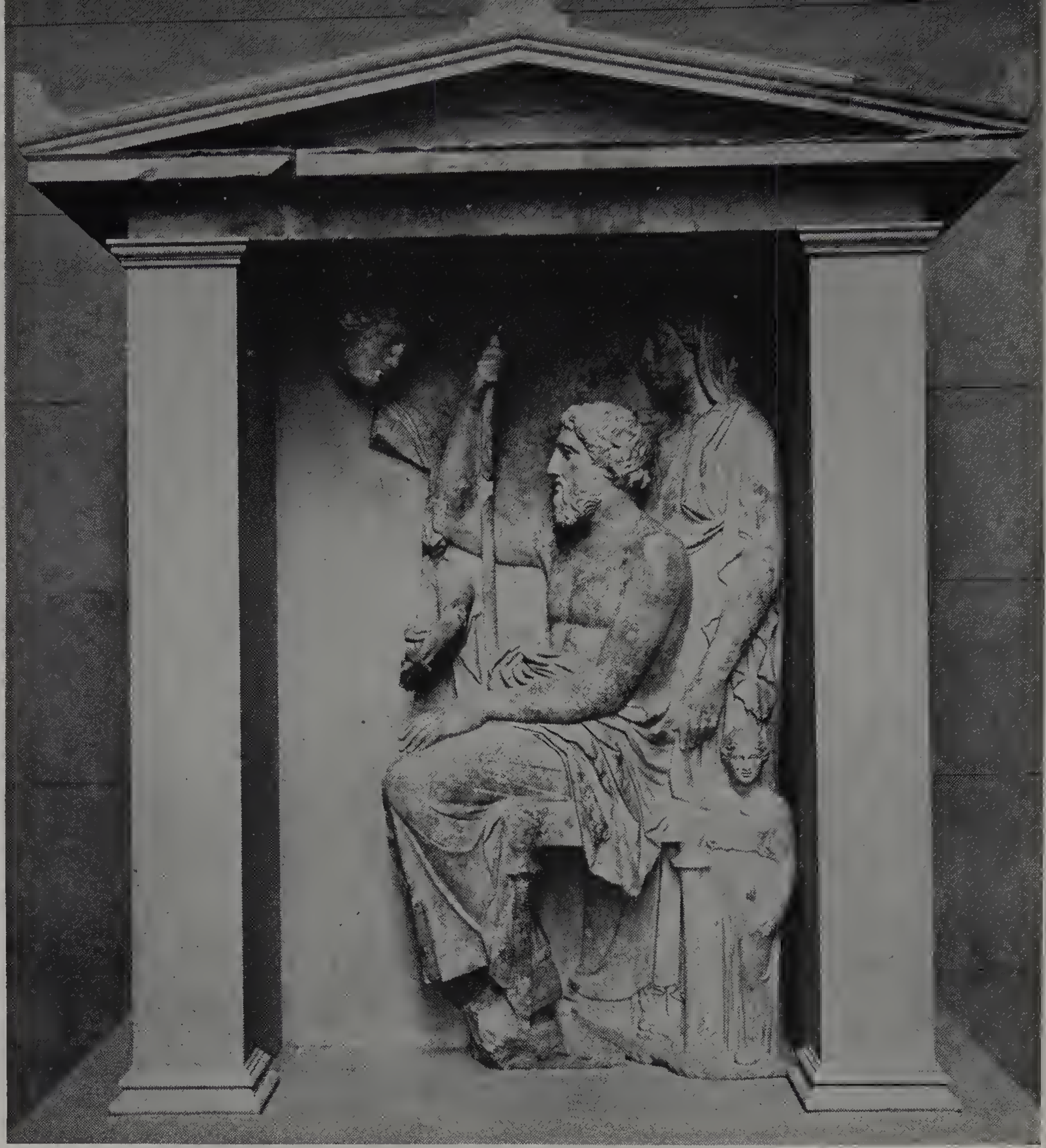


Fig. 428. Stele of Sostrate (cf. p. 133)
Metropolitan Museum of Art

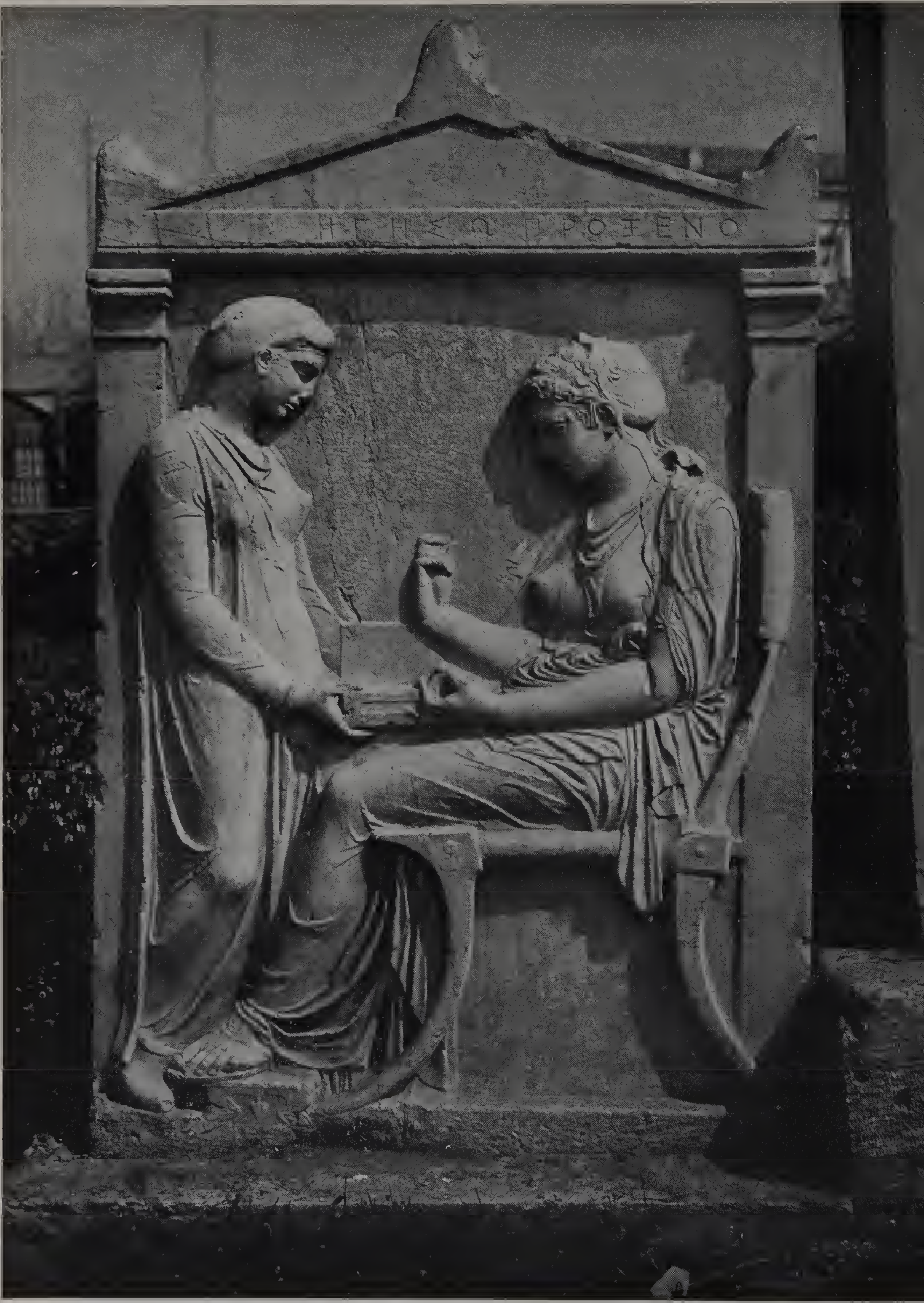

ΗΓΗΣΩ ΠΡΟΞΕΝΟ

Fig. 429. Stele of Hegeso, from the Kerameikos
National Museum, Athens
(Cf. pp. 133, 164)

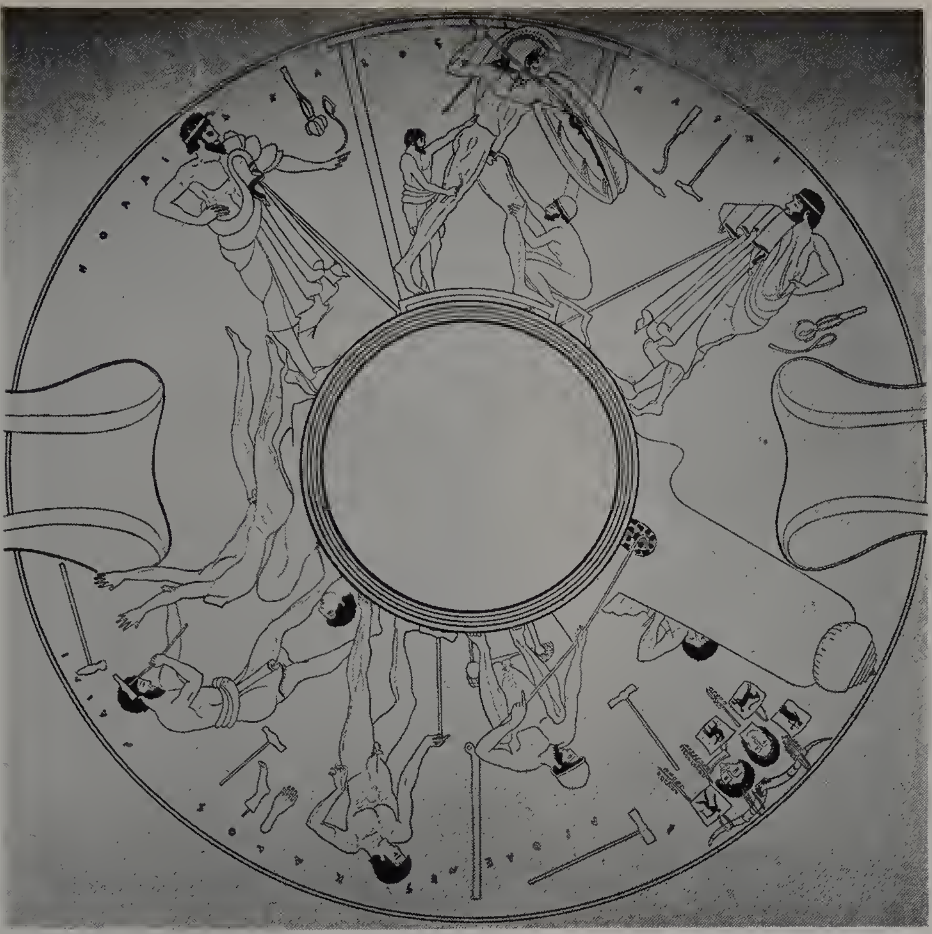


Fig. 430. Bronze foundry, from a kylix
Staatliche Museen, Berlin
(Cf. p. 137)

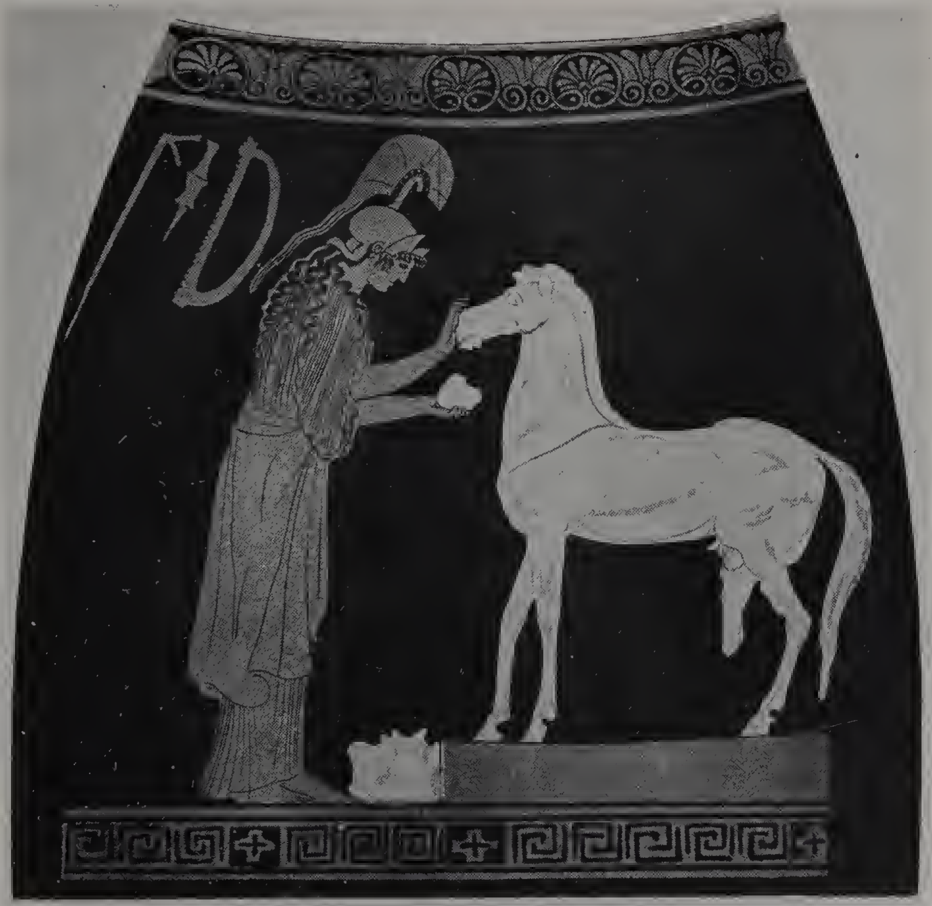


Fig. 431. Athena modeling a horse, from an oinochoë
Staatliche Museen, Berlin
(Cf. p. 141 note)

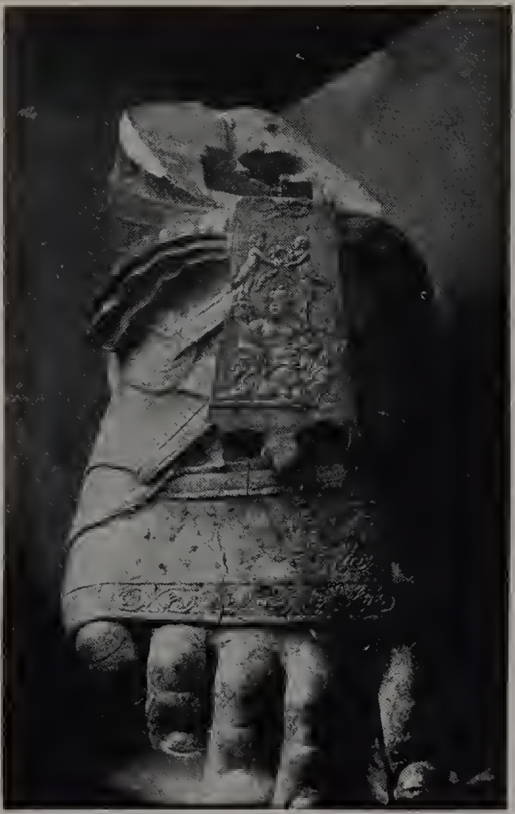


Fig. 432. Ivory foot
Metropolitan Museum of Art
(Cf. p. 140)

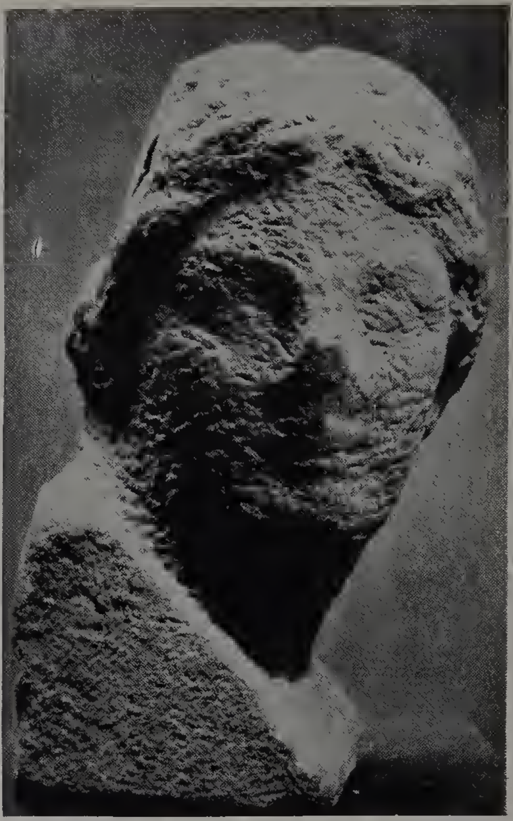


Fig. 433. Ancient unfinished head
Private collection in Paris
(Cf. p. 144)

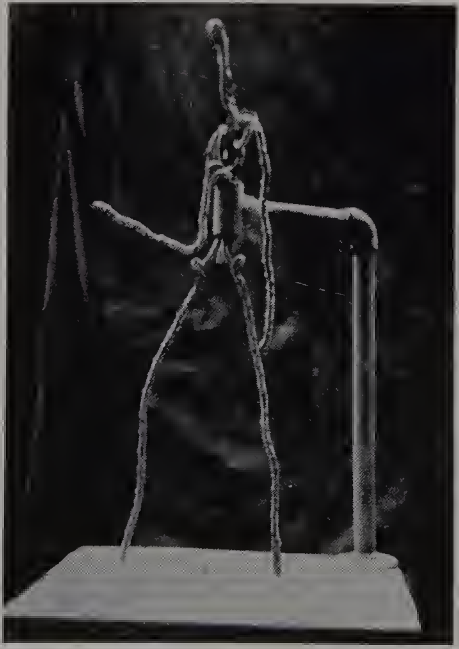


Fig. 434. Modern armature
(Cf. p. 141)

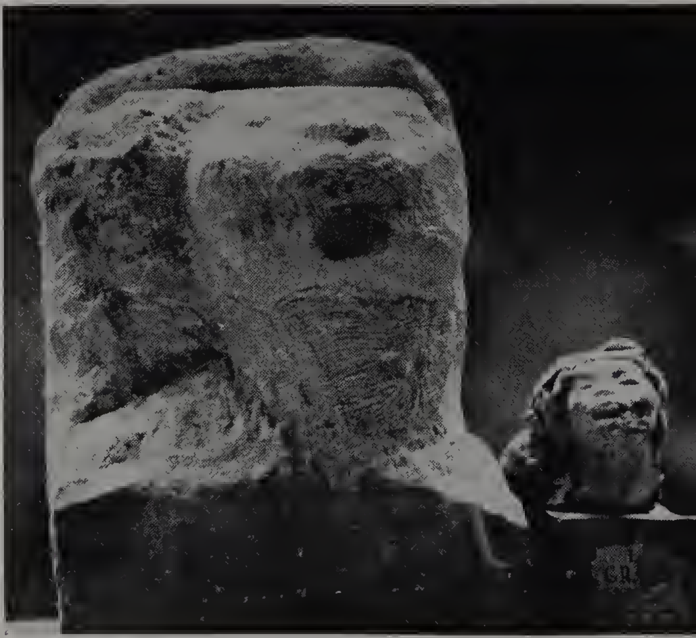


Fig. 435. Modern unfinished head, with clay model
(Cf. p. 143)

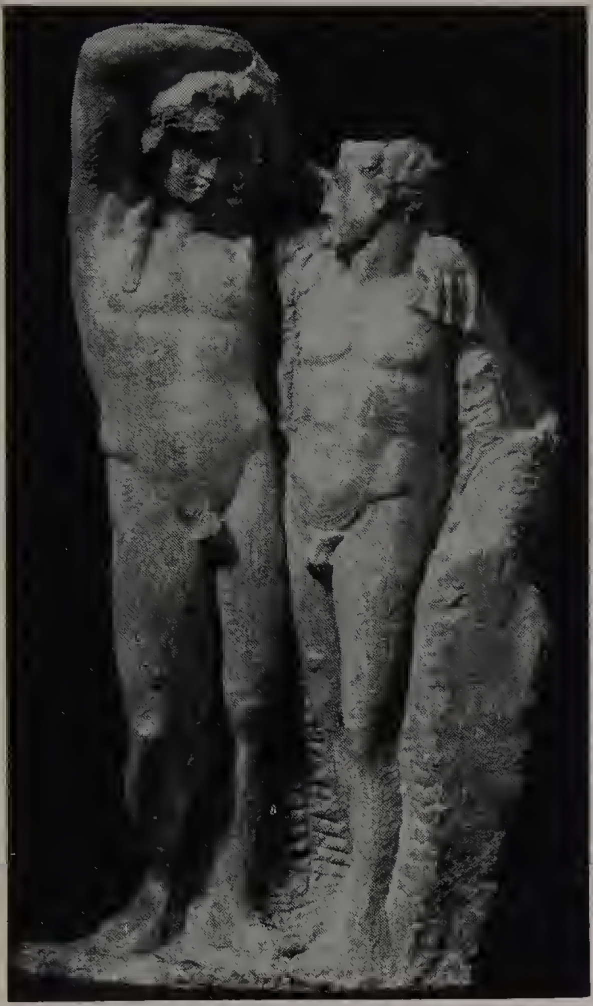


Fig. 436. Dionysos and a Satyr. Unfinished group
National Museum, Athens
(Cf. p. 144)

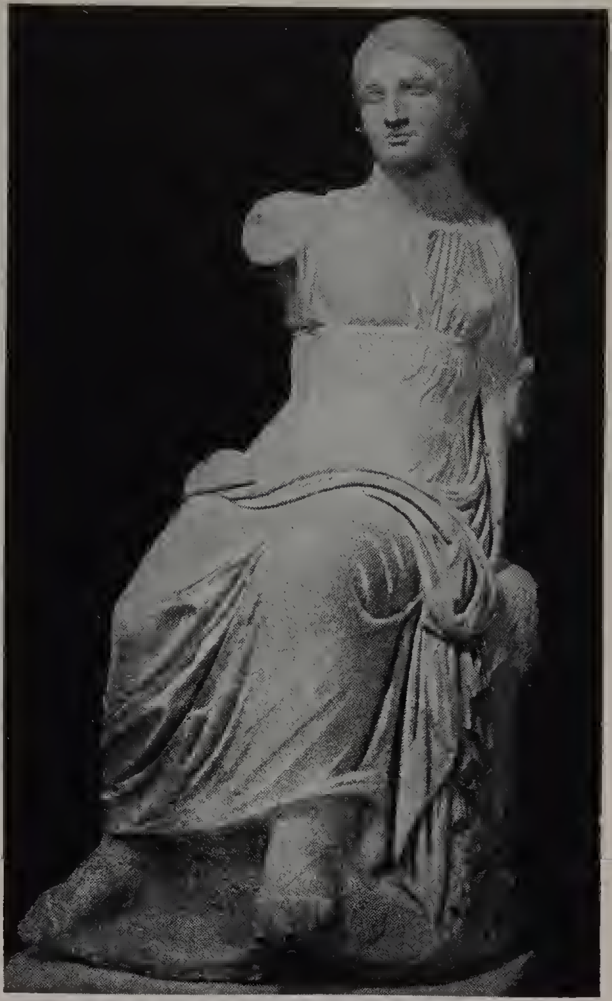


Fig. 437. Unfinished statue of a woman
National Museum, Athens
(Cf. p. 144)

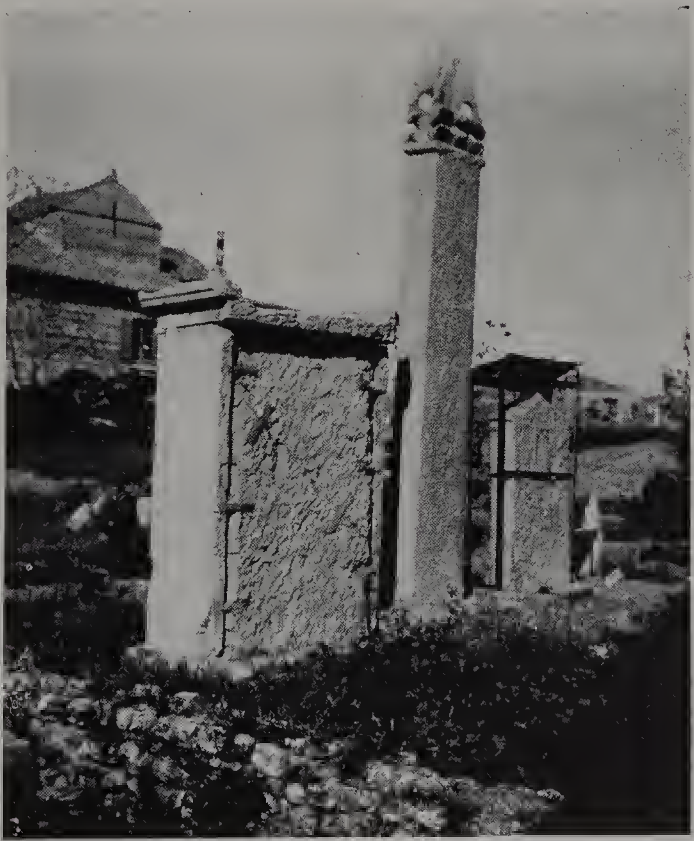


Fig. 438. Backs of stelai (cf. p. 145)
The Kerameikos, Athens

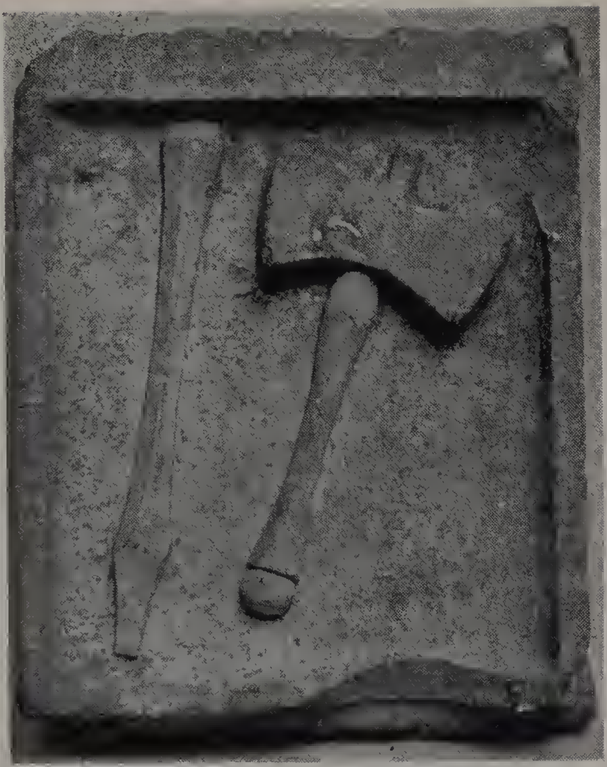


Fig. 439. Mallet and chisel, from votive relief
Metropolitan Museum of Art
(Cf. p. 144)

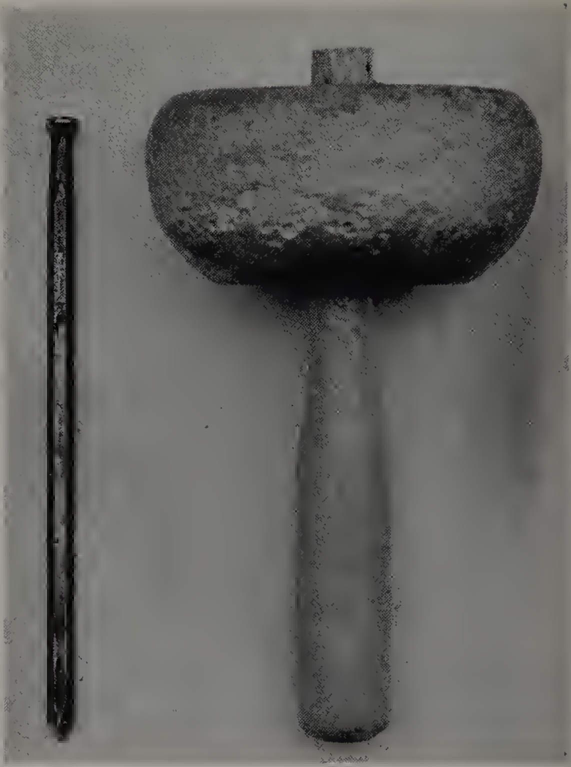


Fig. 440. Modern mallet and chisel
(Cf. p. 144)

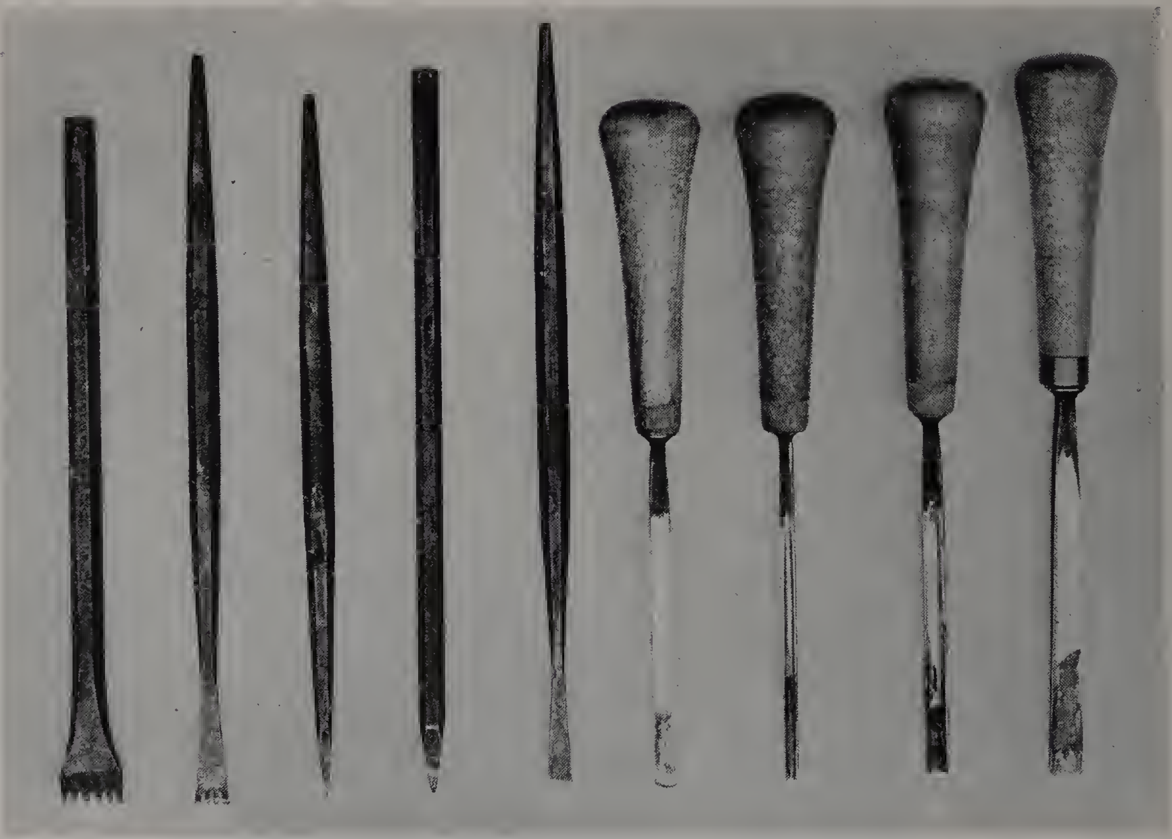


Fig. 441. Modern rounded, straight, pointed, and dentated chisels
(Cf. p. 144)

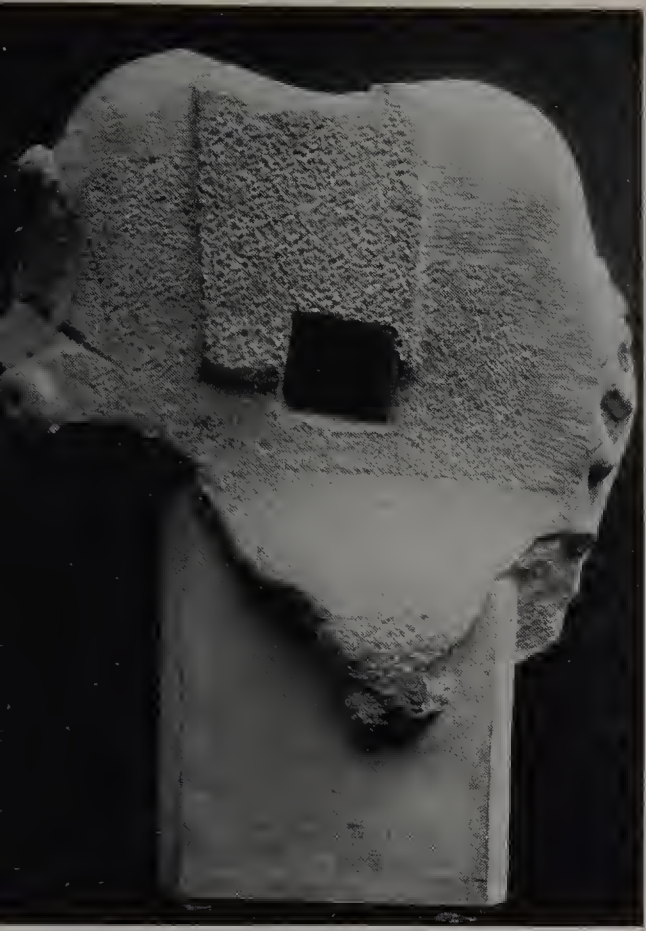


Fig. 442. Back of the Athena, from the temple of Apollo at Eretria (from a cast) (cf. p. 145)
Chalkis Museum

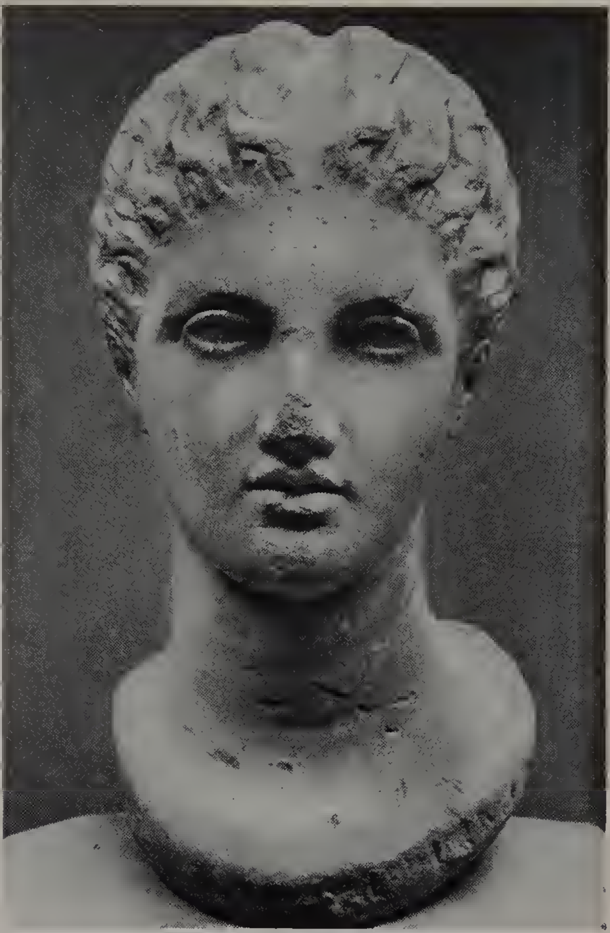


Fig. 443. Head of a girl
Metropolitan Museum of Art
(Cf. p. 146)

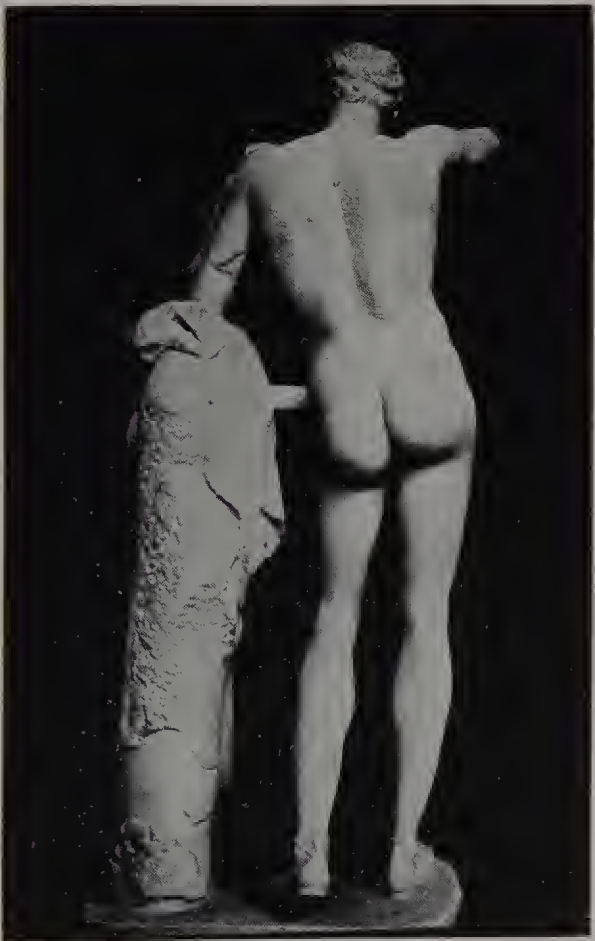


Fig. 444. Back of the Hermes by Praxiteles (from a cast) (cf. pp. 145, 257)
Olympia Museum

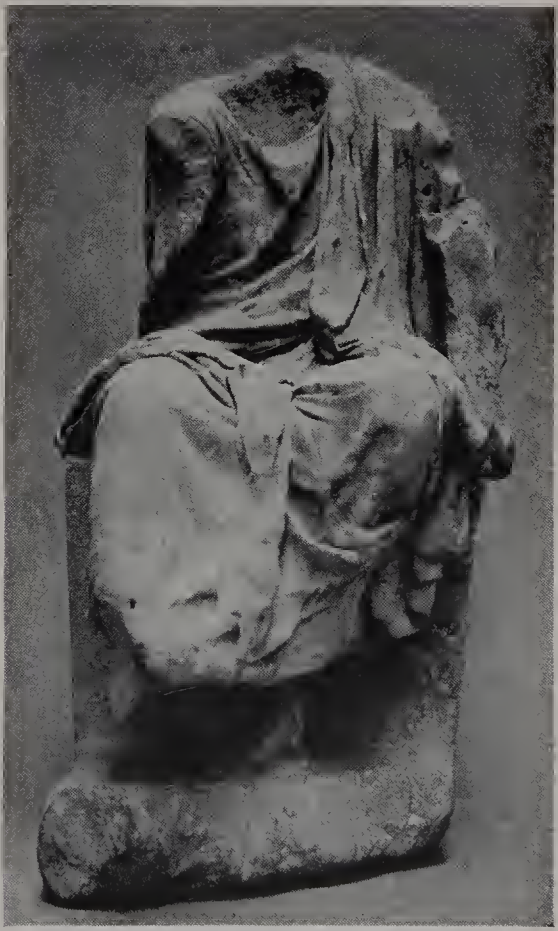


Fig. 445. Statue signed by Zeuxis
Metropolitan Museum of Art
(Cf. p. 146)

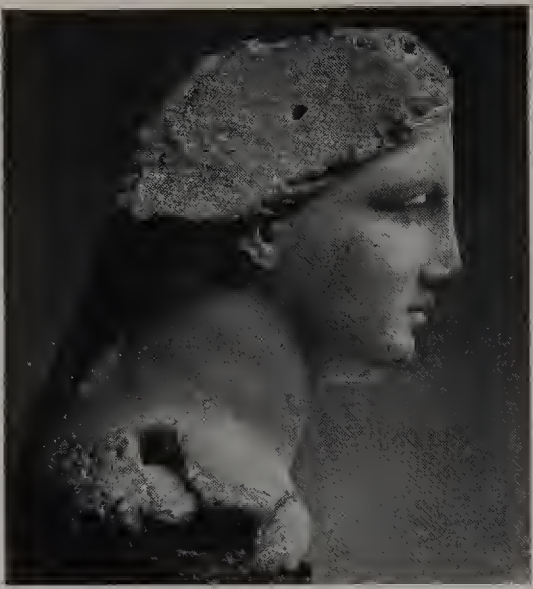


Fig. 446. Head of a girl (cf. p. 146)
Museum of Fine Arts, Boston

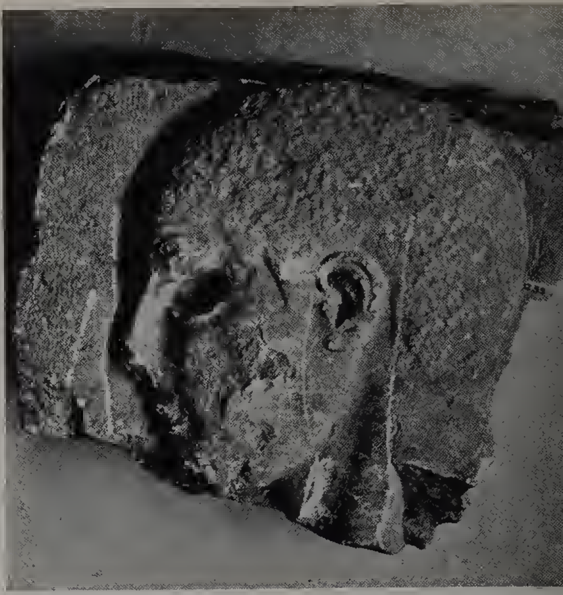


Fig. 447. Head, from a stele (cf. p. 147)
Metropolitan Museum of Art

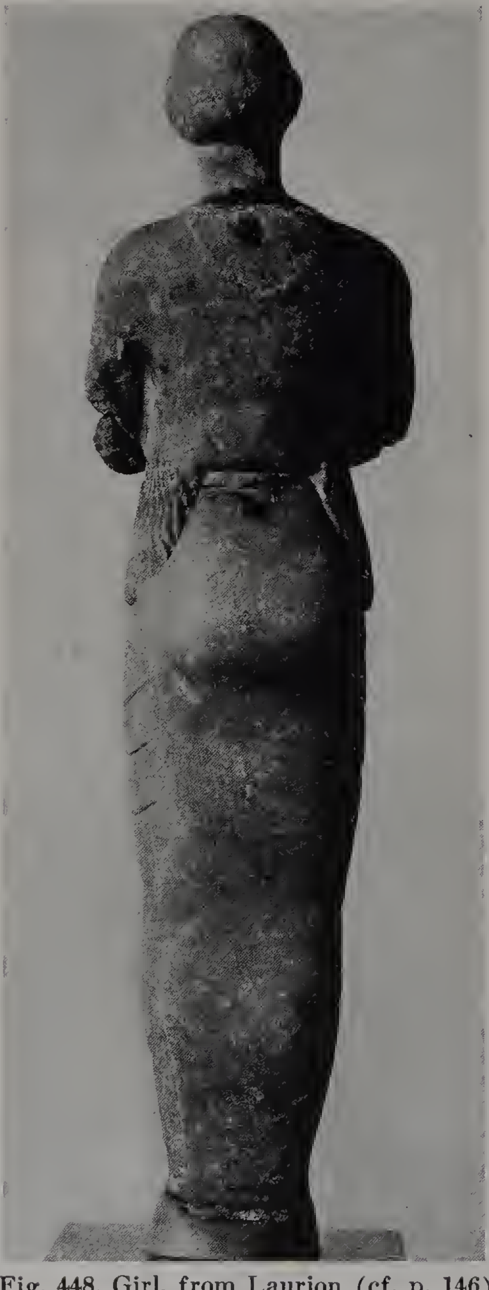


Fig. 448. Girl, from Laurion (cf. p. 146)
Metropolitan Museum of Art

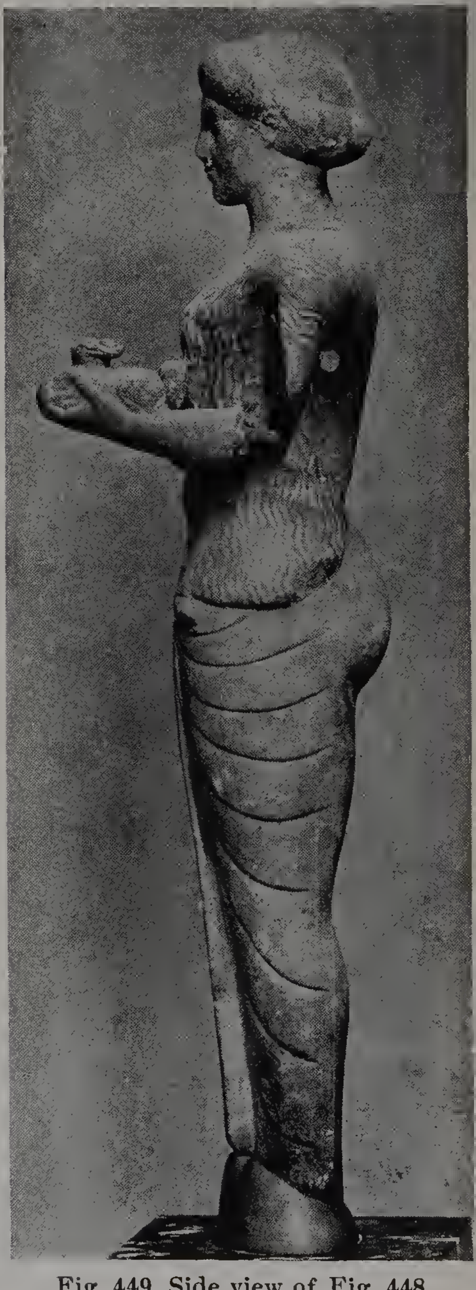


Fig. 449. Side view of Fig. 448
Metropolitan Museum of Art

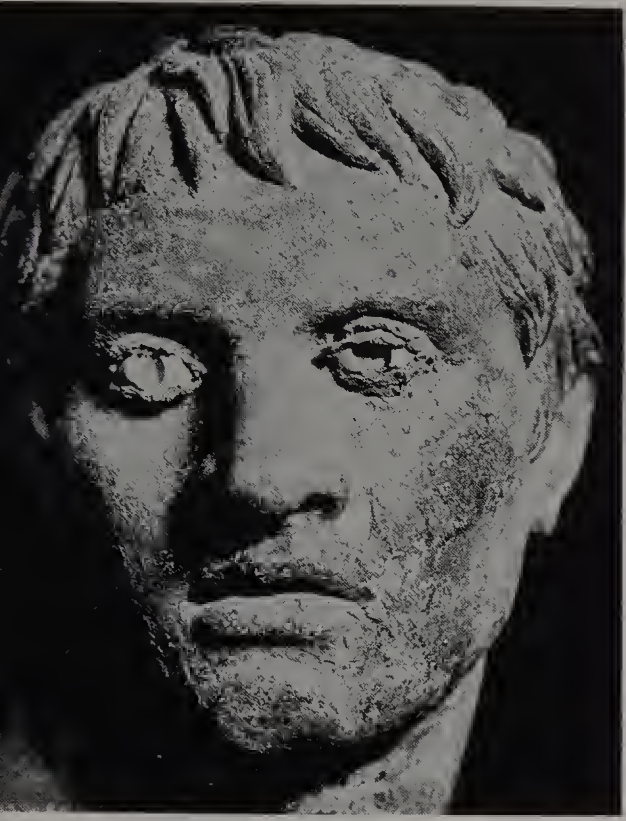


Fig. 450. Bronze head
Glyptotek Ny Carlsberg, Copenhagen
(Cf. p. 147)

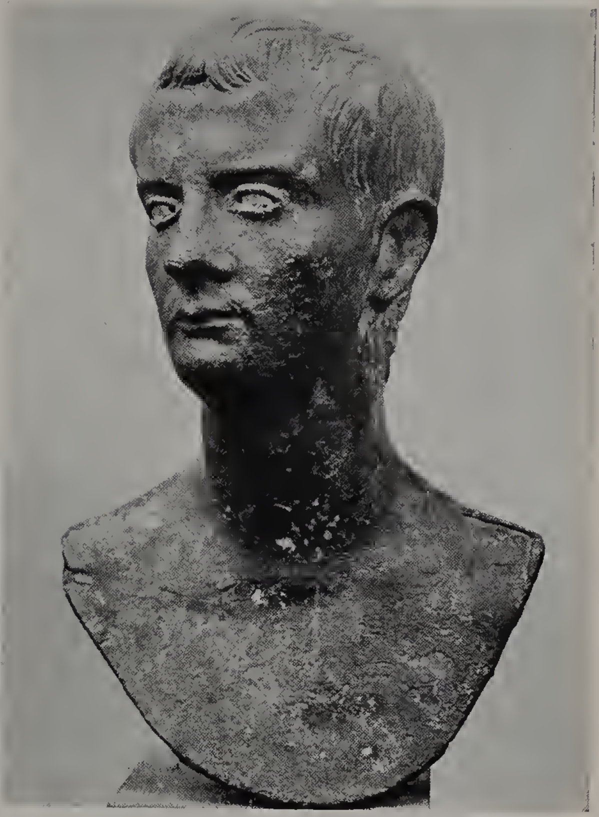


Fig. 451. Bronze bust of Caligula (?)
Metropolitan Museum of Art
(Cf. p. 147)

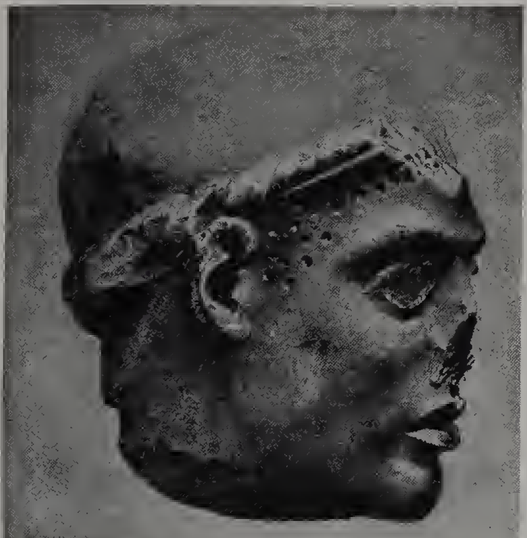


Fig. 452. Head of a youth
Akropolis Museum, Athens
(Cf. p. 147)

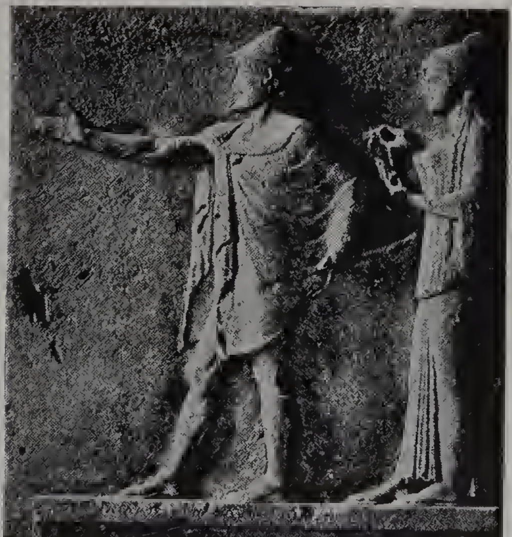


Fig. 453. Hermes and a Nymph, from a relief
The Louvre, Paris
(Cf. pp. 40, 148)

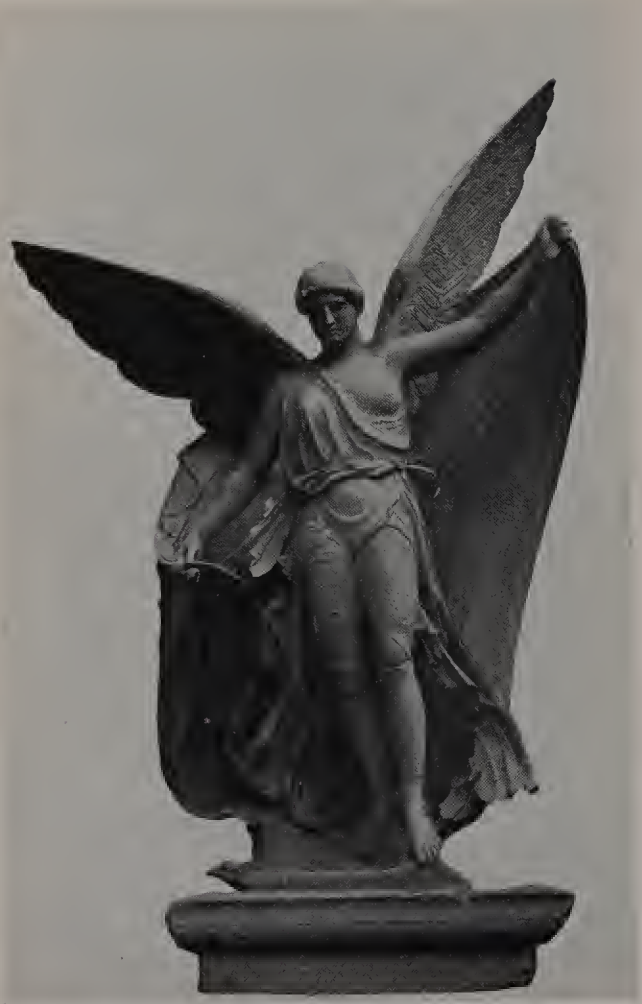


Fig. 455. Reconstruction of the Paionios Nike at Olympia (photographed at the original angle)

Olympia Museum

(Cf. pp. 159, 241)

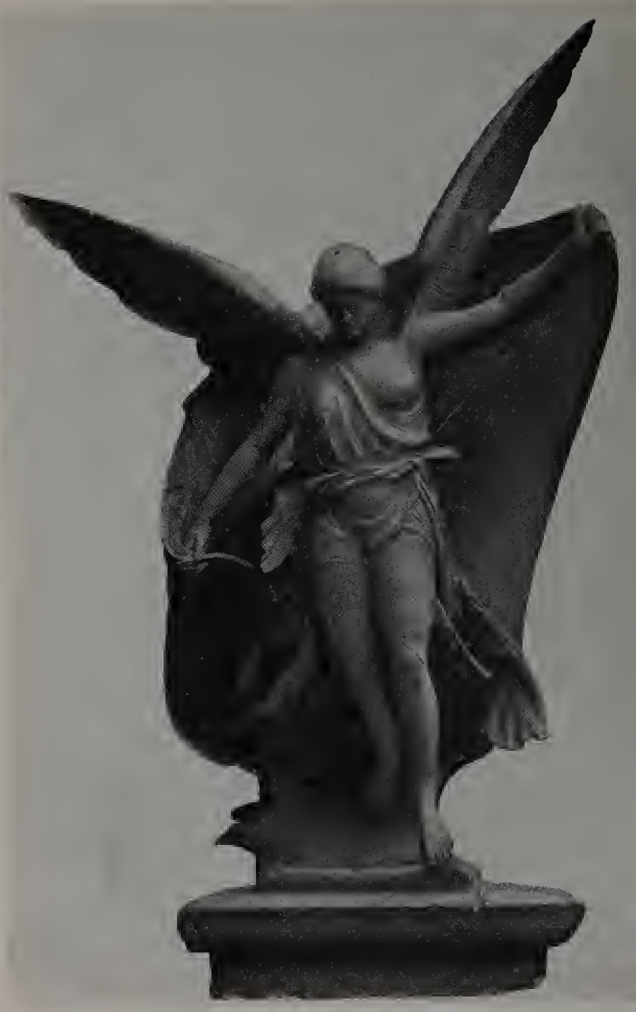


Fig. 456. Same reconstruction photographed level with ground

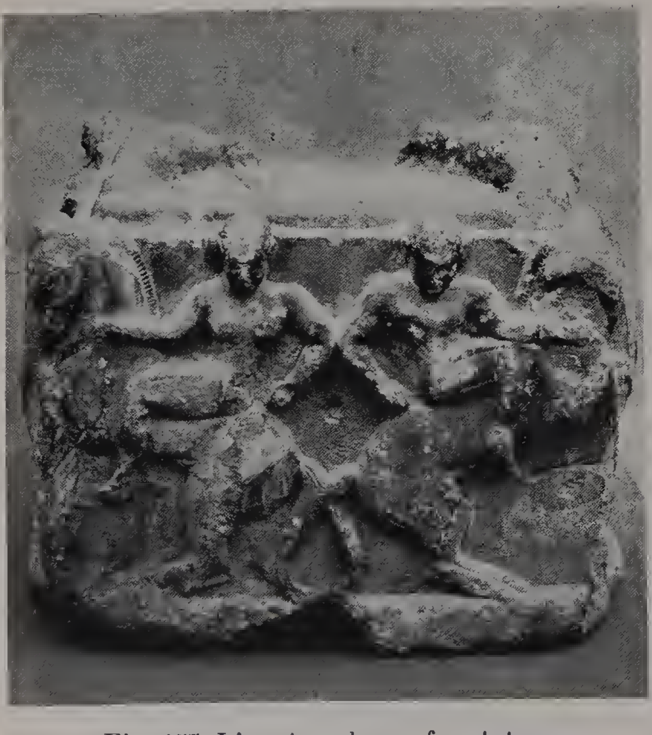


Fig. 457. Limestone base of a statue

Metropolitan Museum of Art

(Cf. p. 158)

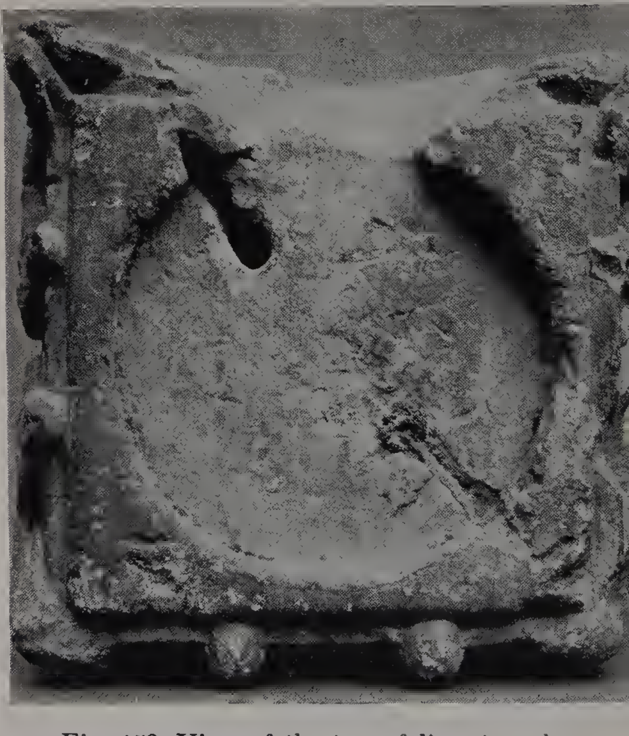


Fig. 458. View of the top of limestone base shown in Fig. 457

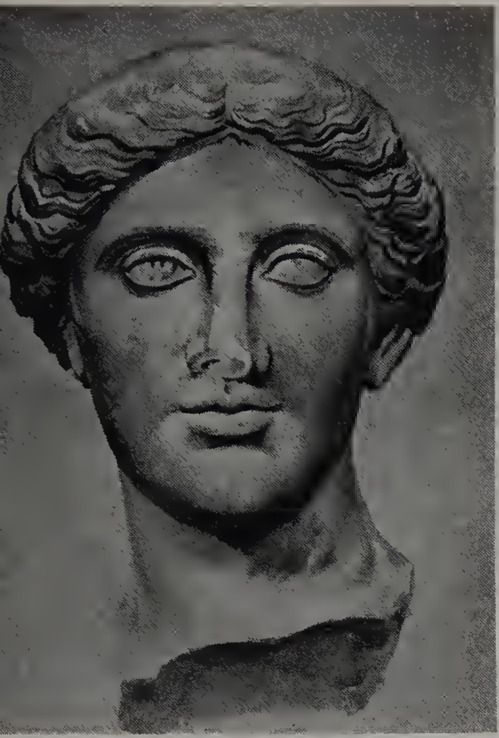


Fig. 459. Head, from the Esquiline
British Museum, London
(Cf. p. 153)

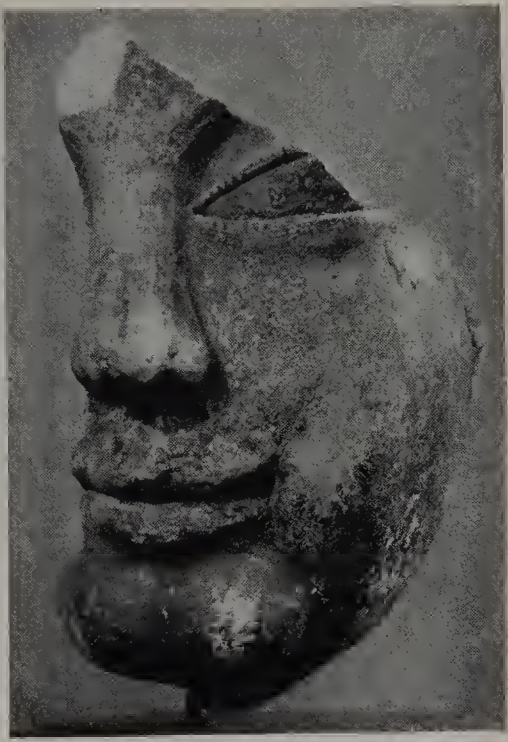


Fig. 460. Fragment of a terracotta head
Metropolitan Museum of Art
(Cf. p. 150)

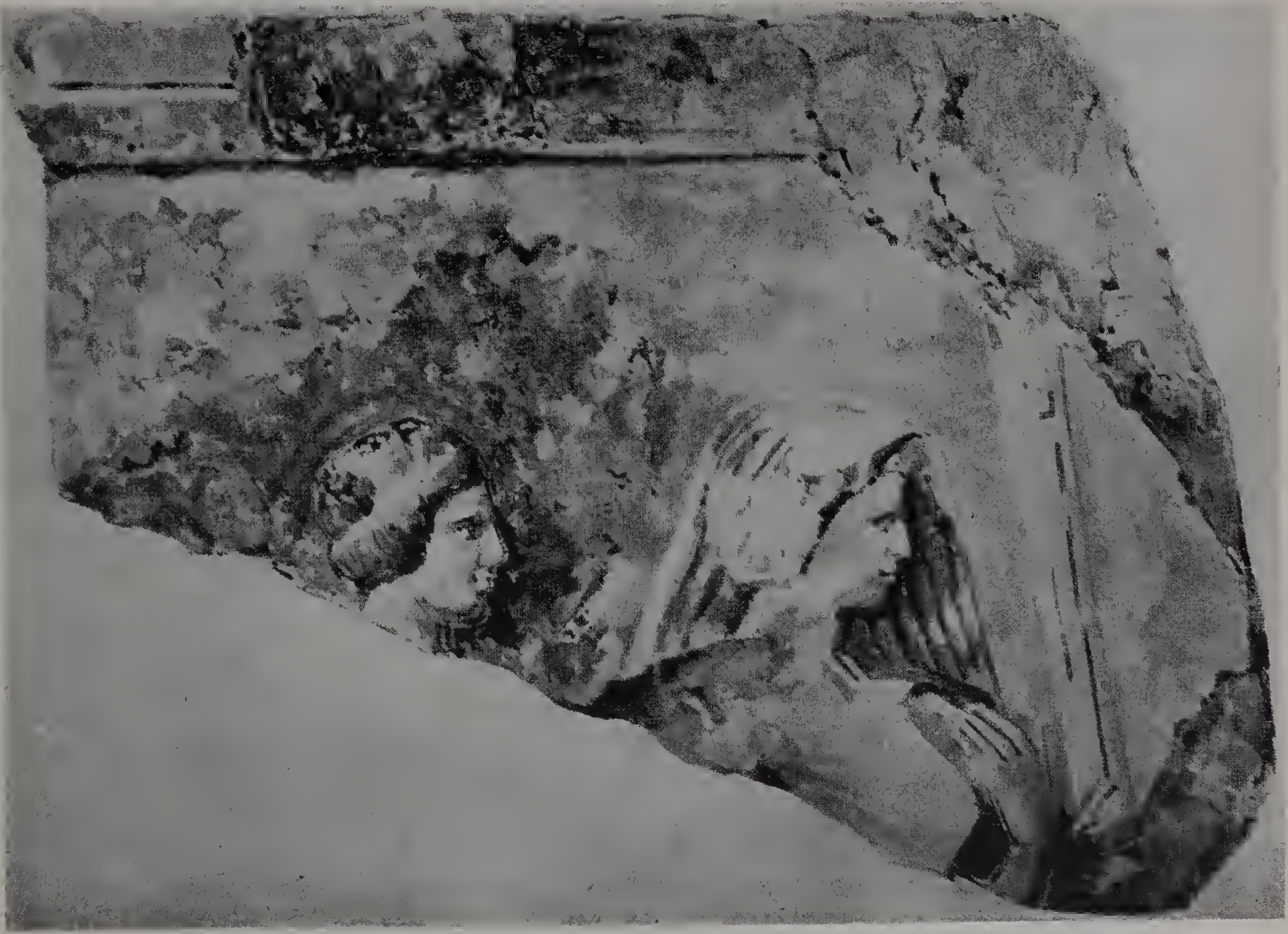


Fig. 461. Votive relief
Eleusis Museum
(Cf. p. 151)

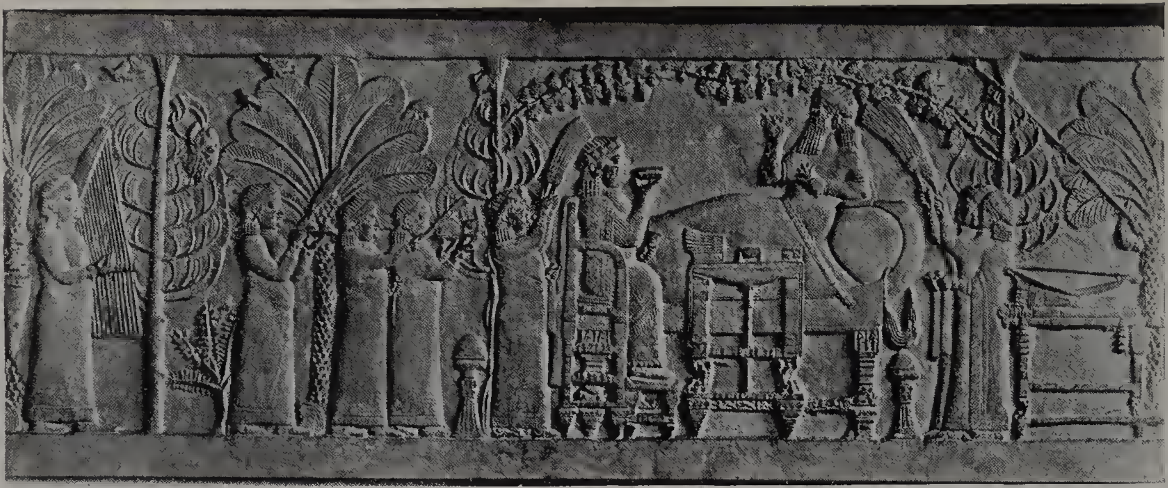


Fig. 462. Ashurbanipal and his queen feasting in a garden. Limestone relief from Nineveh

British Museum, London

(Cf. p. 163)

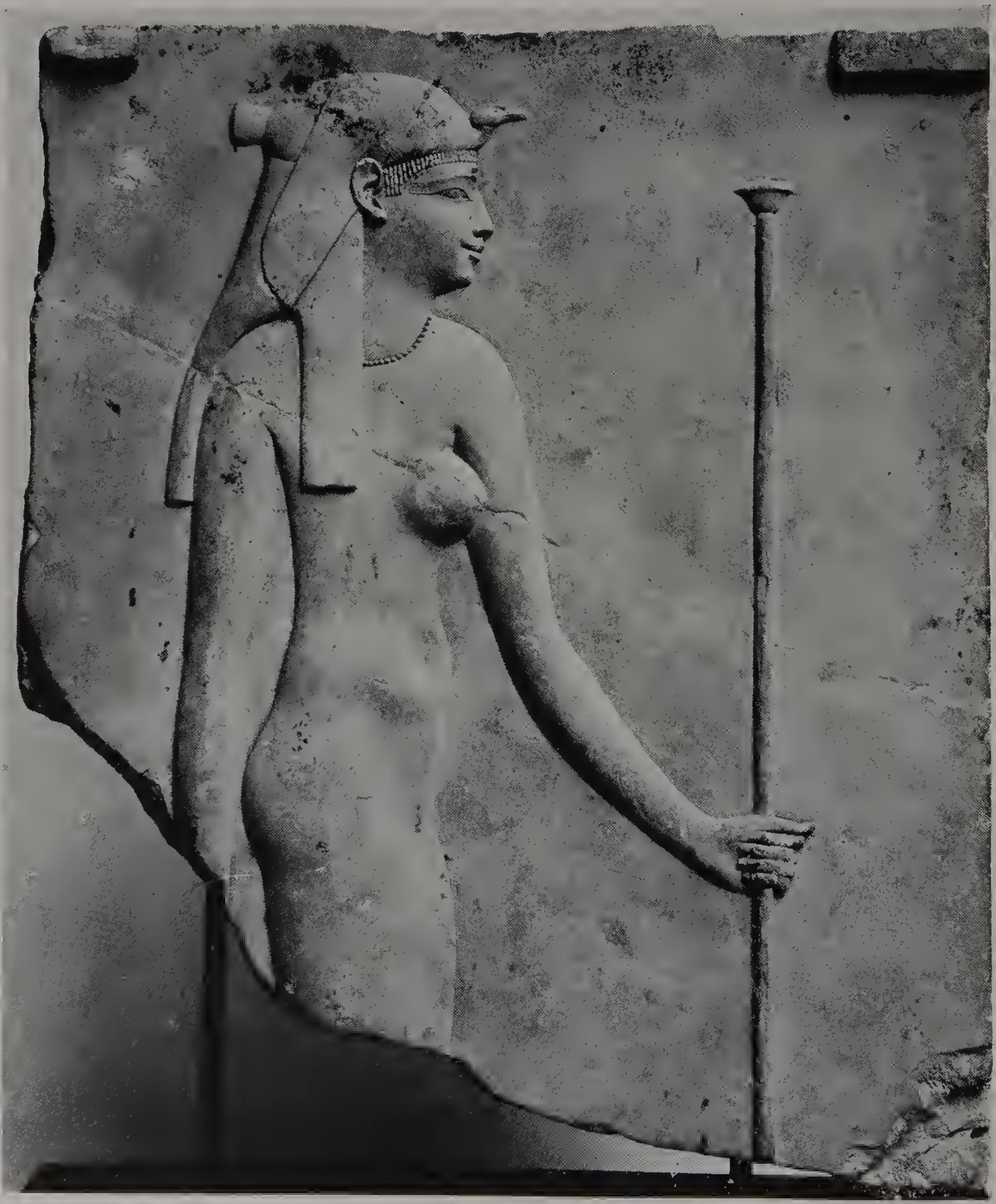


Fig. 463. Egyptian sculptor's model

Metropolitan Museum of Art

(Cf. p. 164)

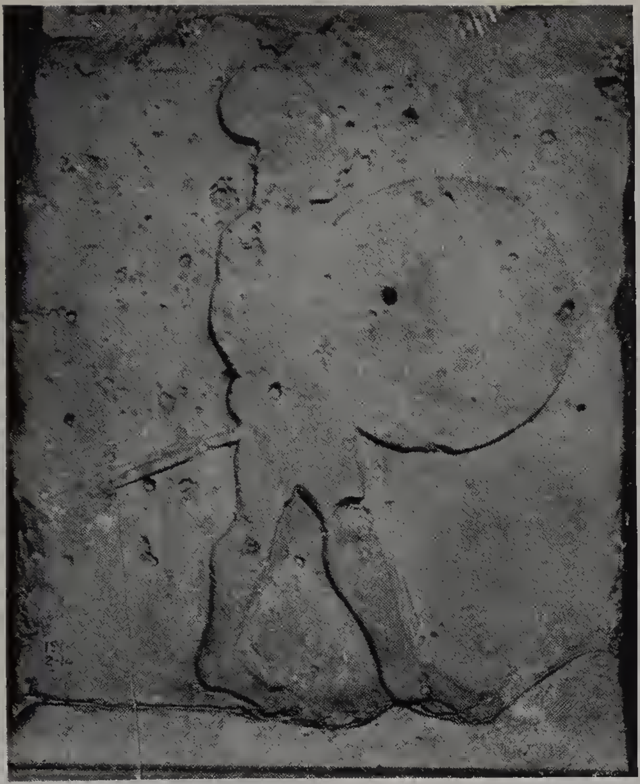


Fig. 464. Warrior, unfinished relief from Naukratis
British Museum, London
(Cf. p. 164)

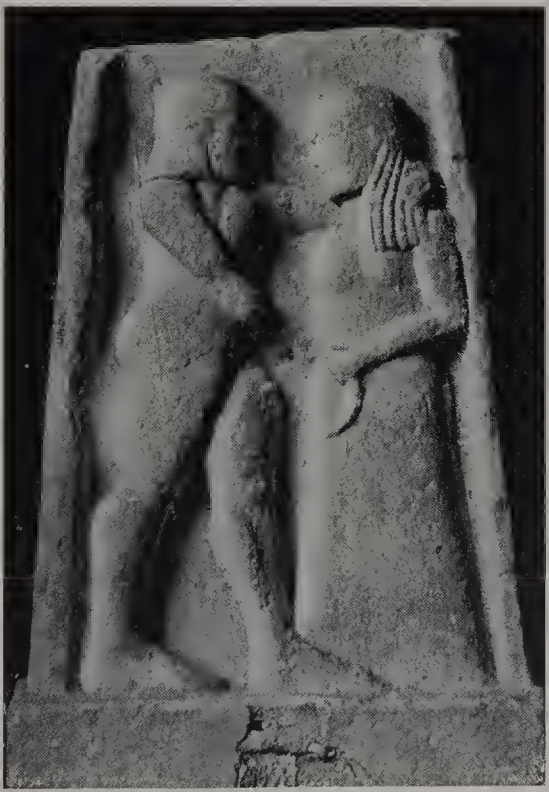


Fig. 465. Orestes and Elektra (?), relief
Sparta Museum
(Cf. p. 165)

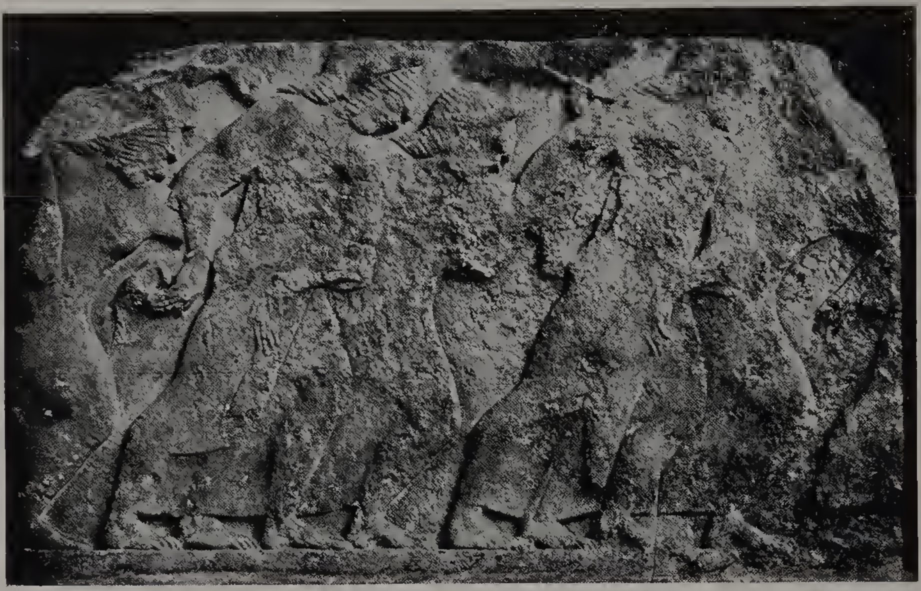


Fig. 466. Women dancing, relief

British Museum, London

(Cf. p. 165)

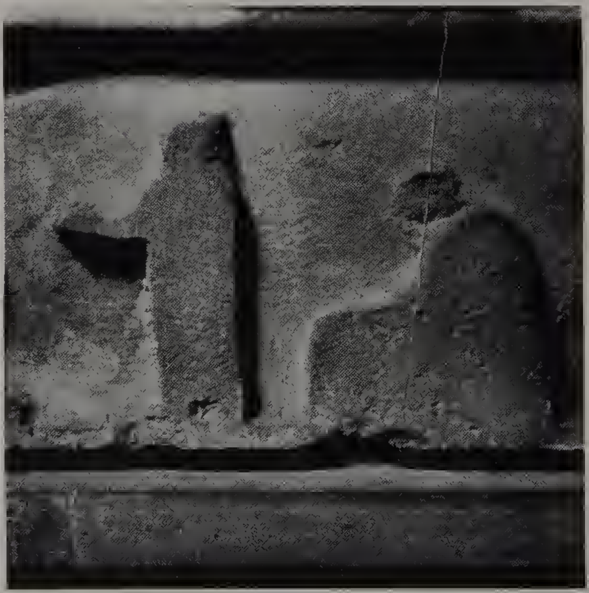


Fig. 467. Unfinished portion of the "Fourth Frieze" of the Nereid monument

British Museum, London

(Cf. p. 164)

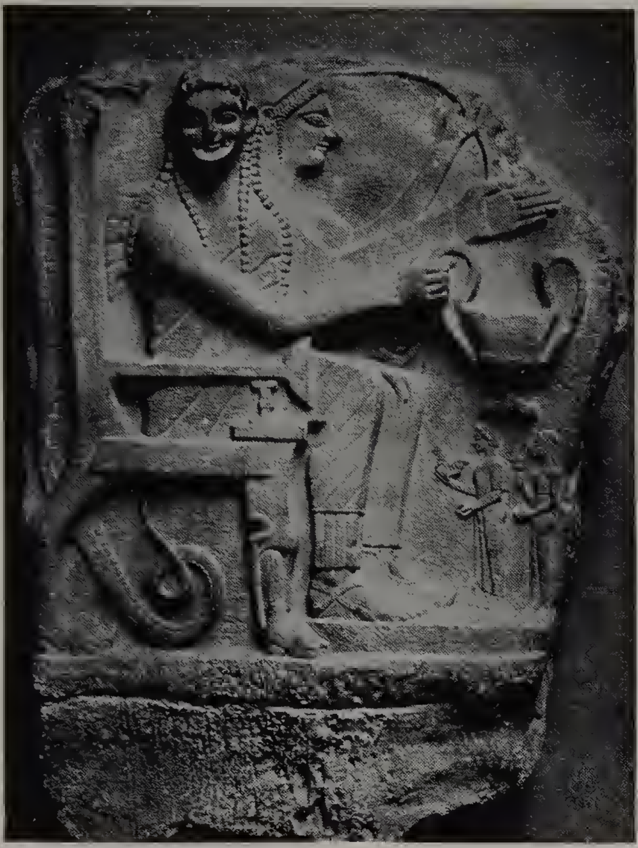


Fig. 468. "Ancestor relief," from Sparta
Staatliche Museen, Berlin
(Cf. p. 166)

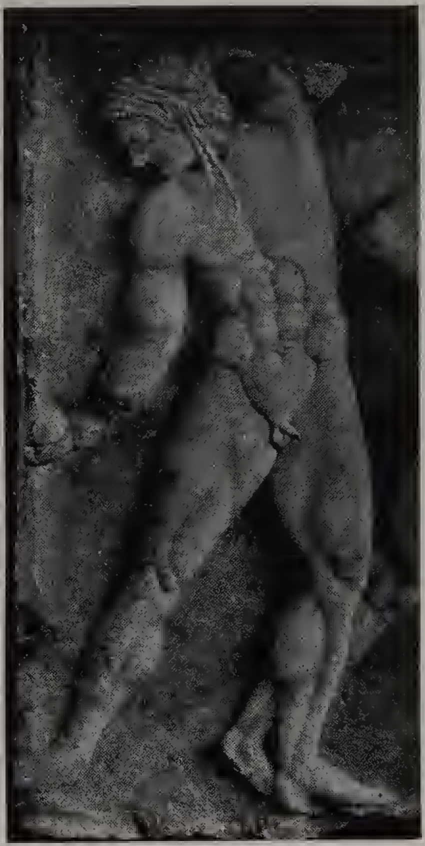


Fig. 469. Ball player, from a statue base
National Museum, Athens
(Cf. p. 168)

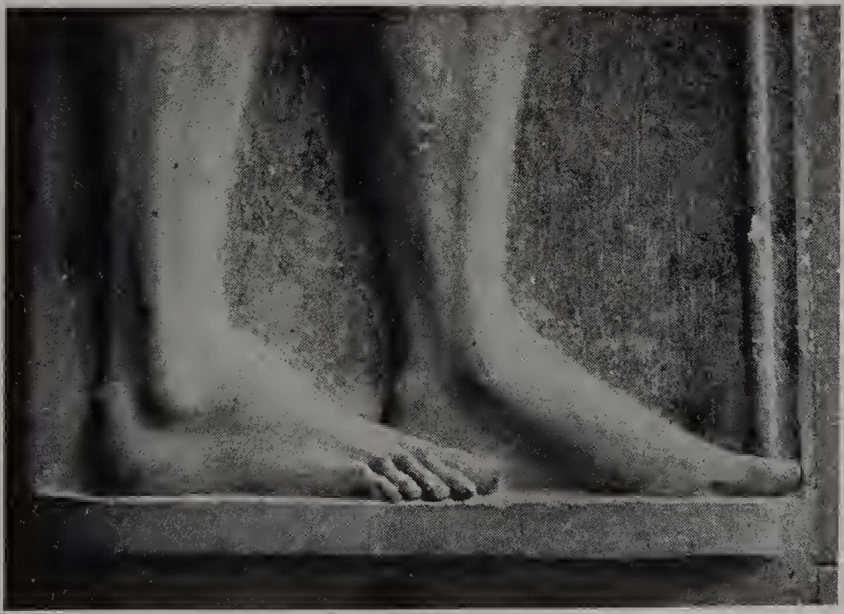
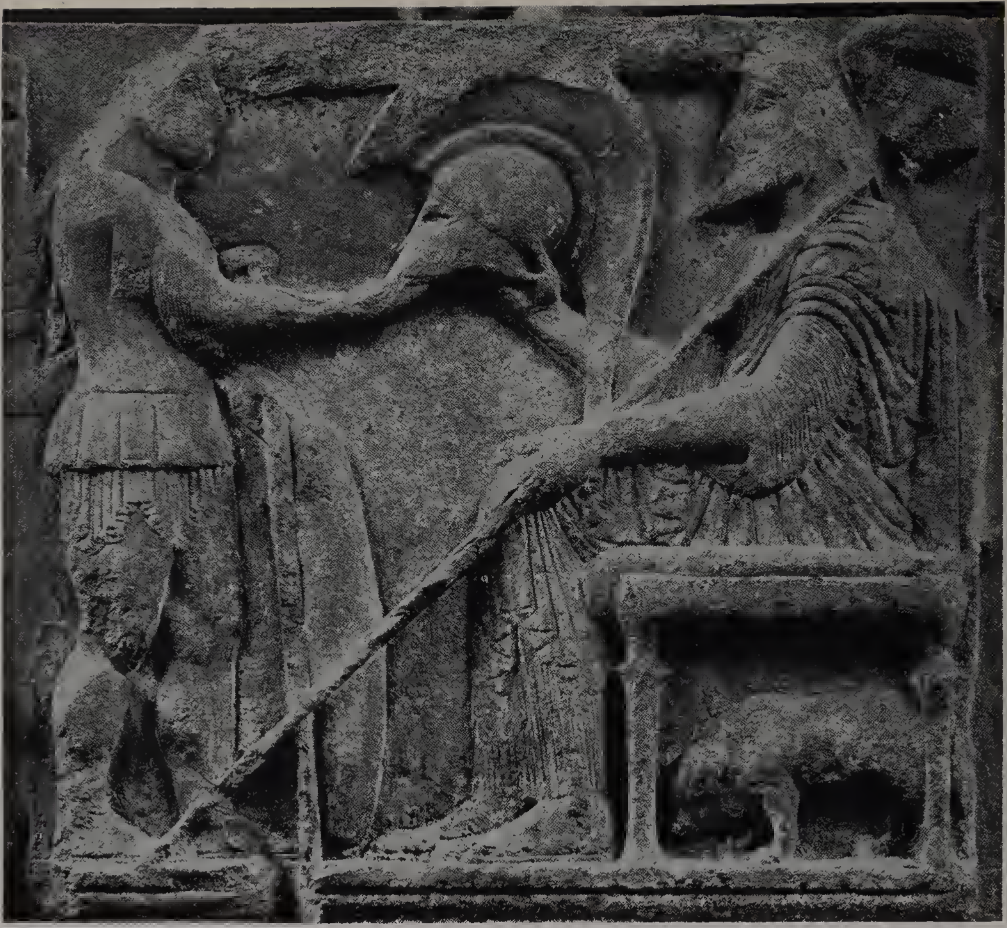
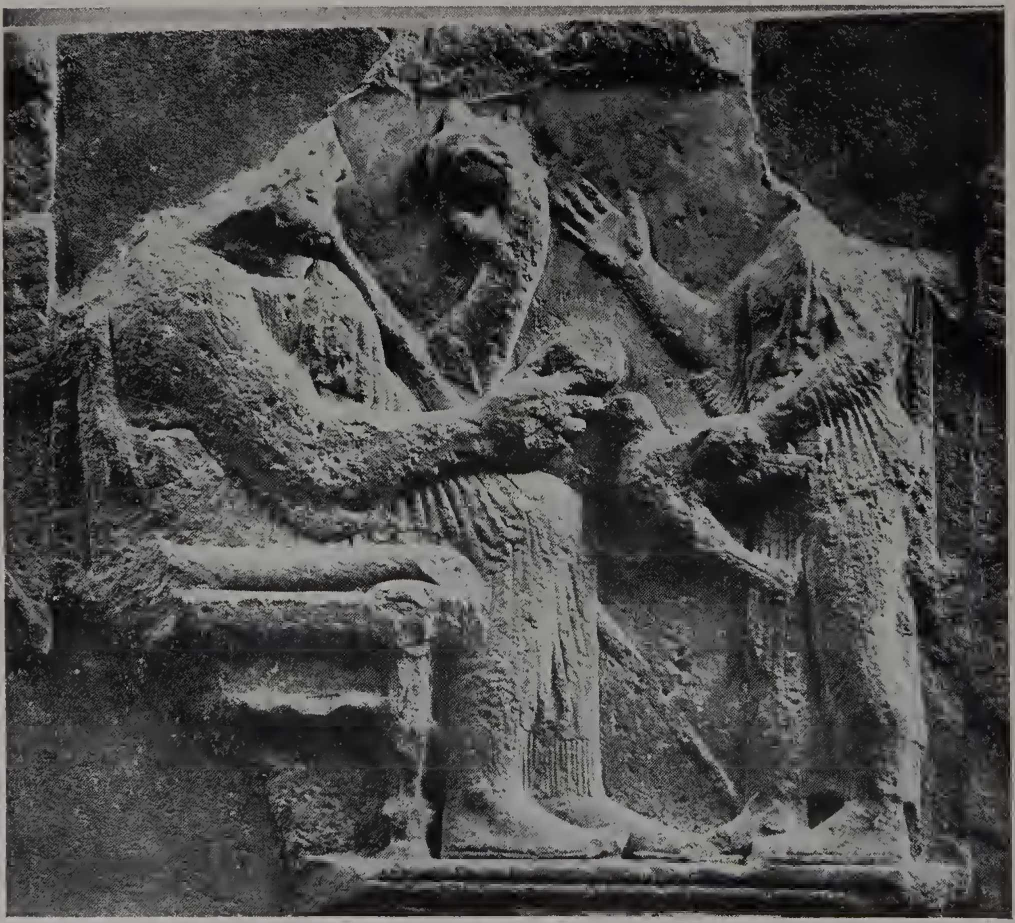


Fig. 470. Detail of a grave stele
Metropolitan Museum of Art
(Cf. p. 166)



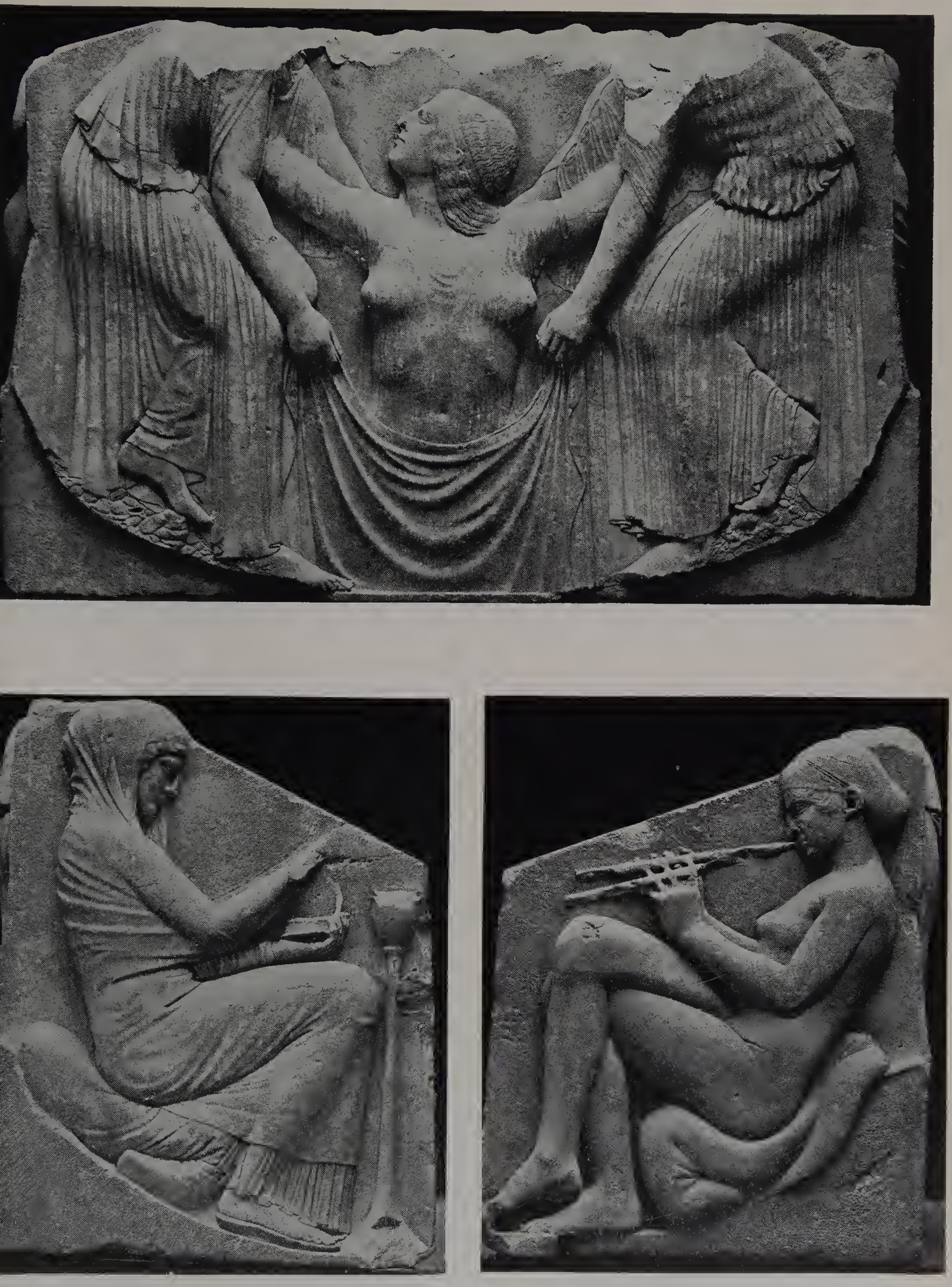
Photograph by W. F. Mansell

Fig. 472. Relief, deity receiving a helmet, from the "Harpy tomb" (cf. p. 166)
British Museum, London

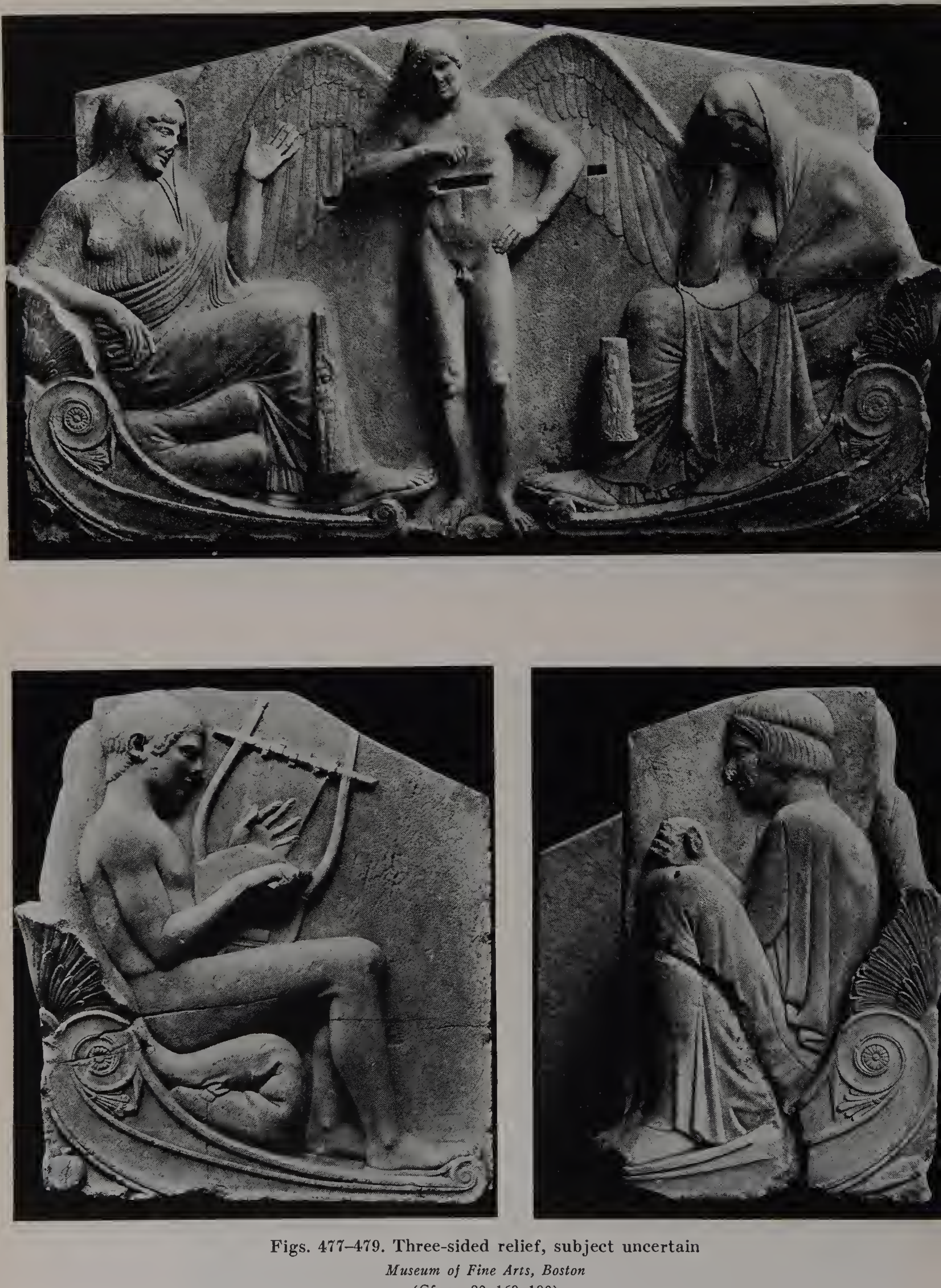


Photograph by W. F. Mansell

Fig. 473. Deity receiving a dove, from the "Harpy tomb" (cf. p. 166)
British Museum, London



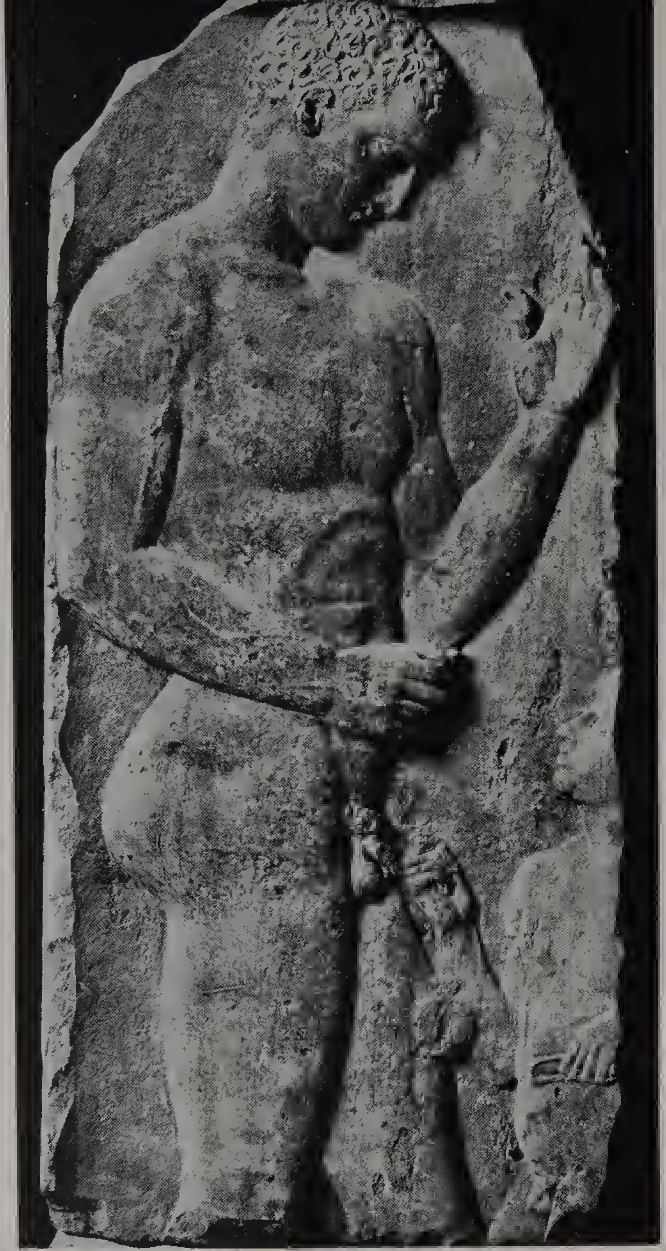
Figs. 474–476. Three-sided relief, Birth of Aphrodite (?)
Museo Nazionale delle Terme, Rome
(Cf. p. 169)



Figs. 477–479. Three-sided relief, subject uncertain

Museum of Fine Arts, Boston

(Cf. pp. 80, 169, 190)



Photograph by D. Anderson, Rome

Fig. 480. Grave stele of an athlete (cf. p. 169)

The Vatican, Rome

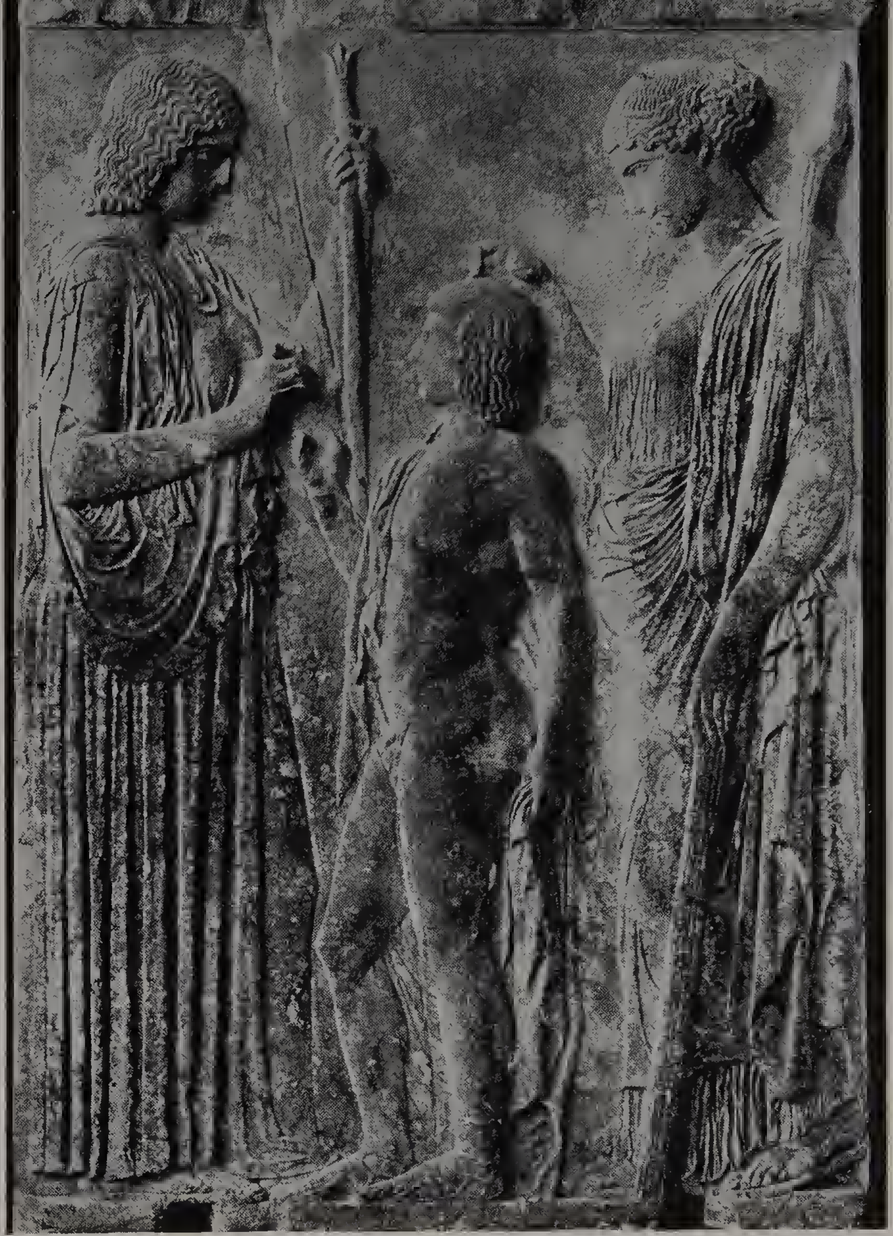


Fig. 481. Demeter, Persephone, and Triptolemos, relief from Eleusis

National Museum, Athens

(Cf. pp. 169, 180, 229)

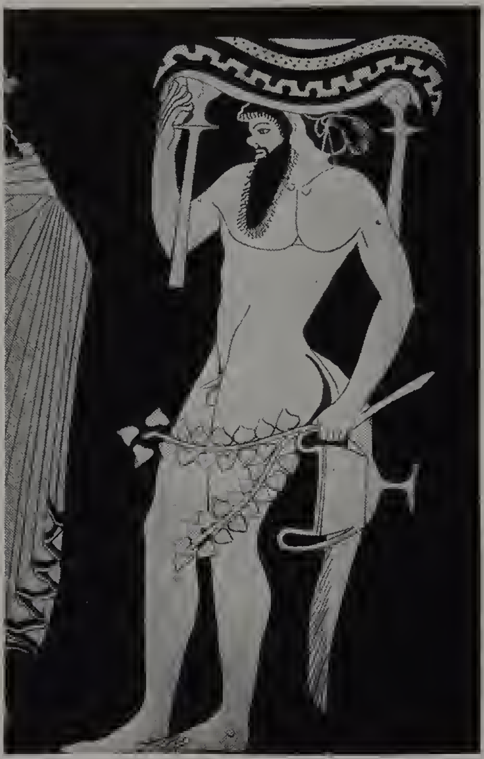


Fig. 482. Satyr, from a krater by the Pan painter (from a drawing)

Metropolitan Museum of Art

(Cf. p. 170)

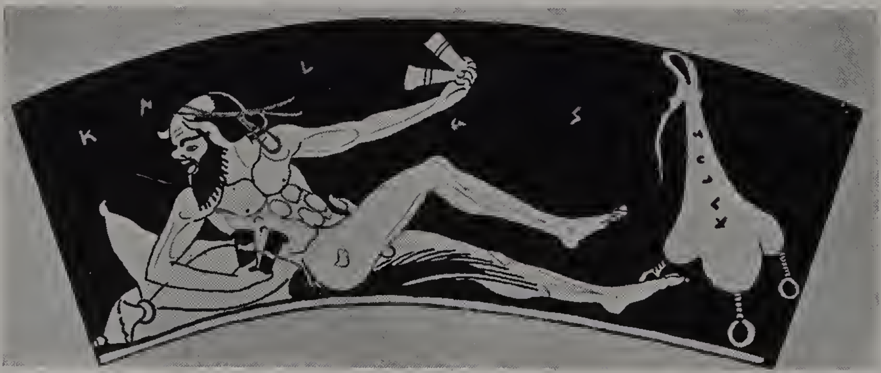


Fig. 483. Satyr, from a kantharos by the Brygos painter (from a drawing)

Metropolitan Museum of Art

(Cf. p. 170)

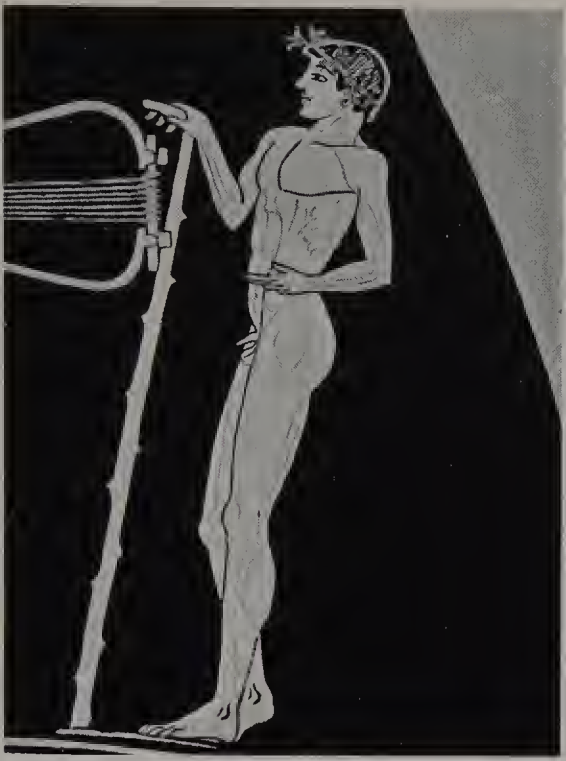


Fig. 484. Youth, from an oinochoë by the Berlin painter (from a drawing)

Metropolitan Museum of Art

(Cf. p. 170)

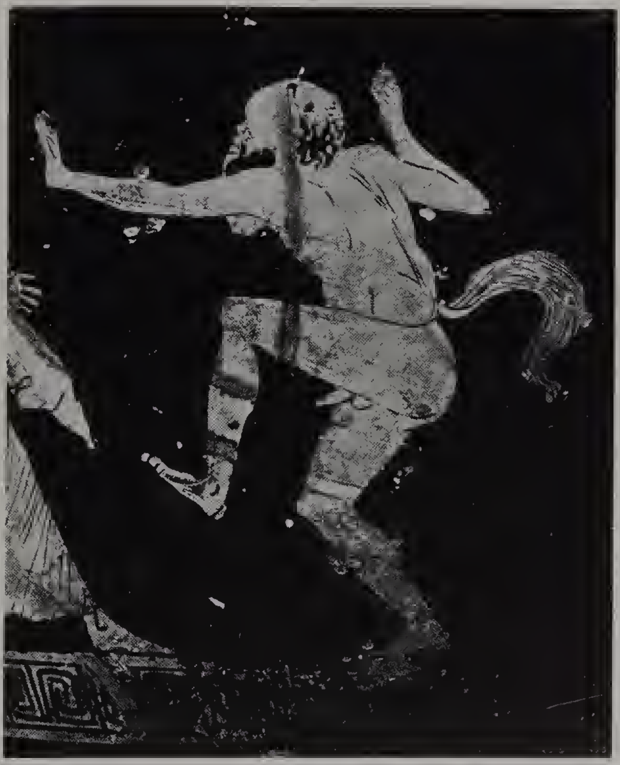
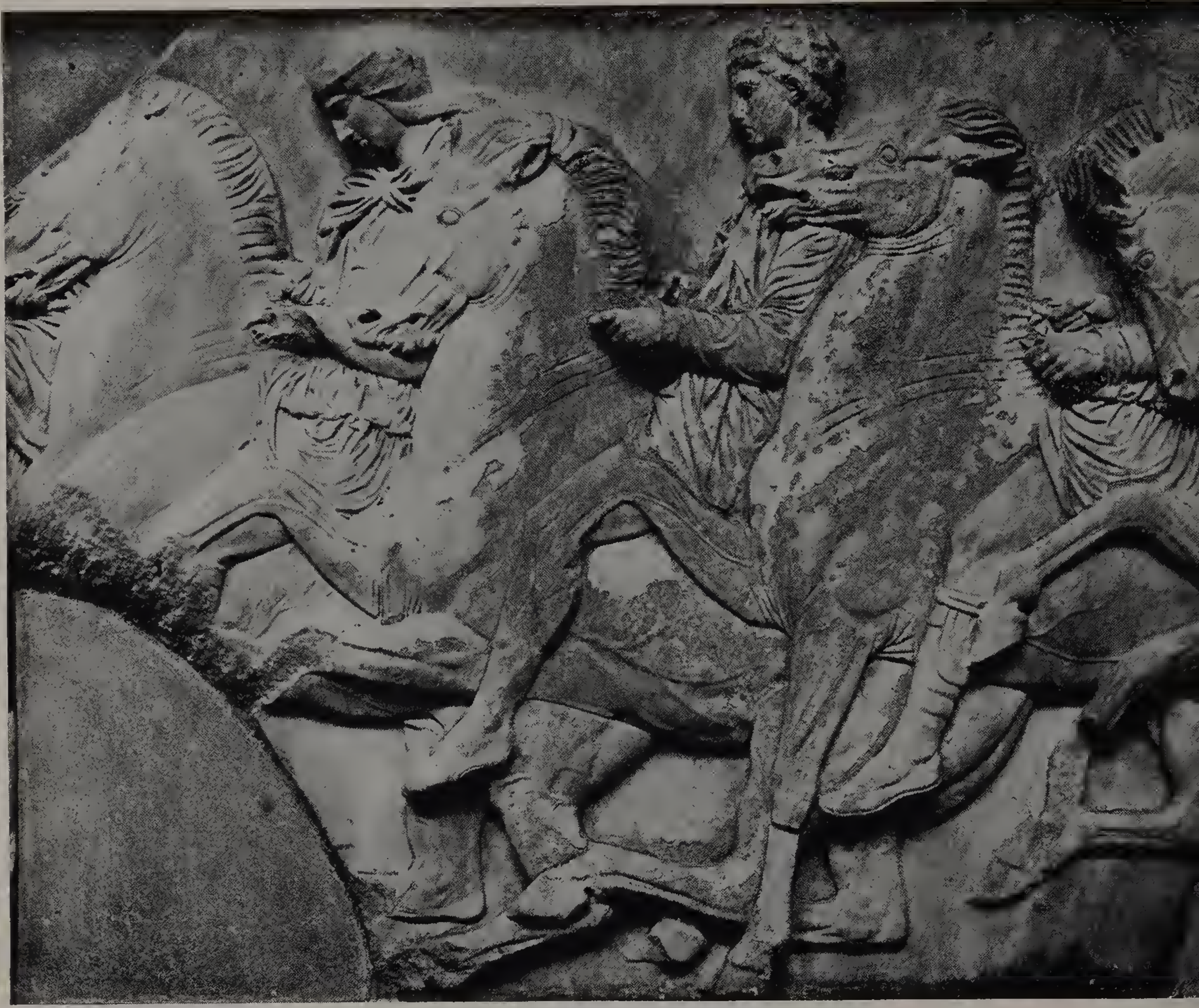


Fig. 485. Satyr, from a skyphos by the Penthesileia painter

Metropolitan Museum of Art

(Cf. p. 170)



Photograph by W. F. Mansell

Fig. 486. Procession of horsemen, from the Parthenon frieze

British Museum, London

(Cf. pp. 170, 230)

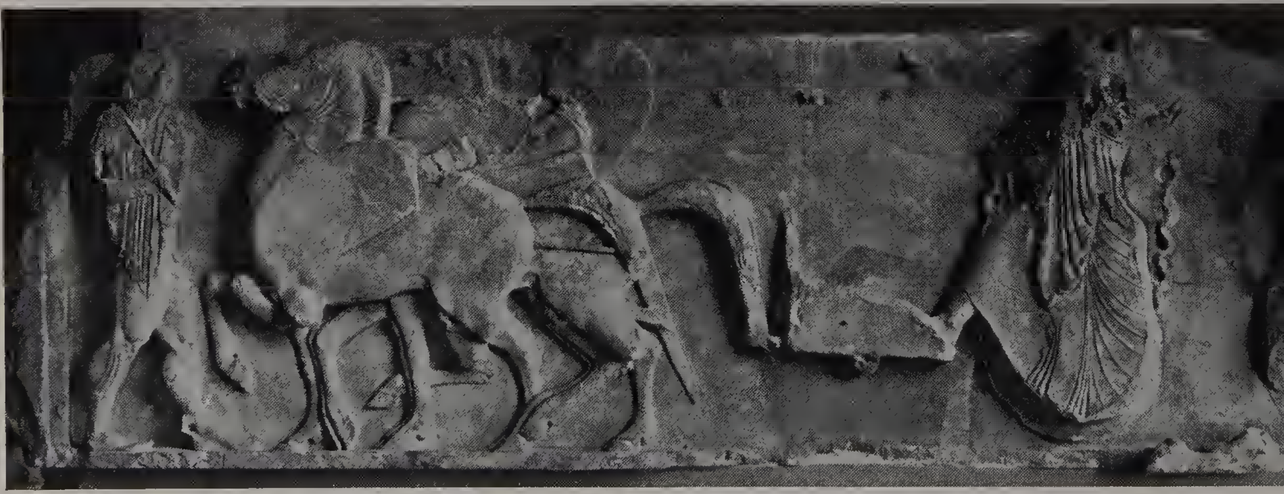


Fig. 487. Athena mounting a chariot, from the Siphnian Treasury

Delphi Museum

(Cf. p. 171)

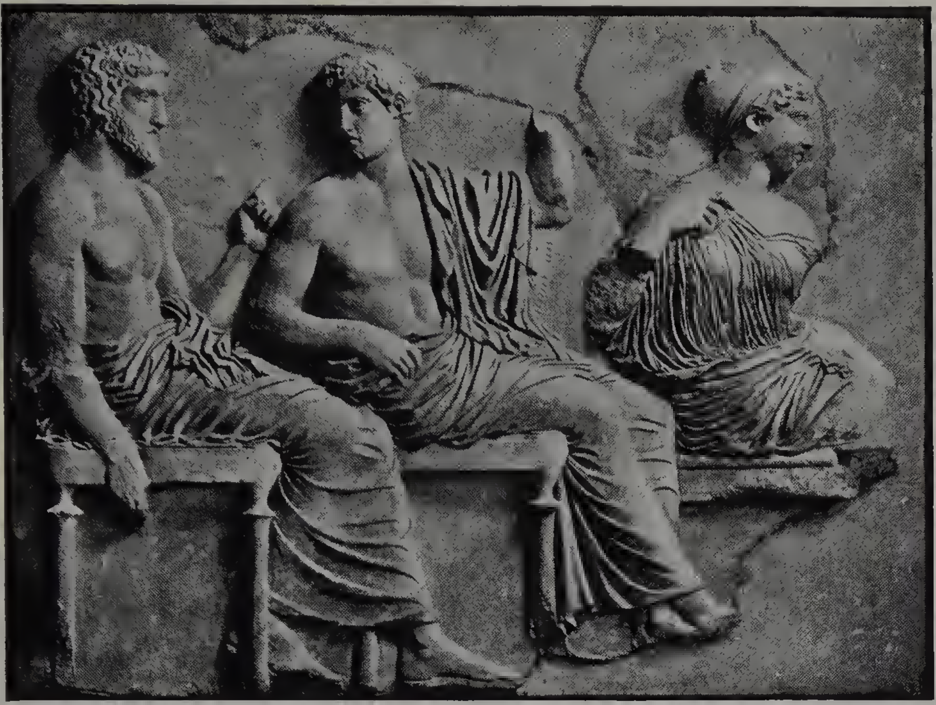
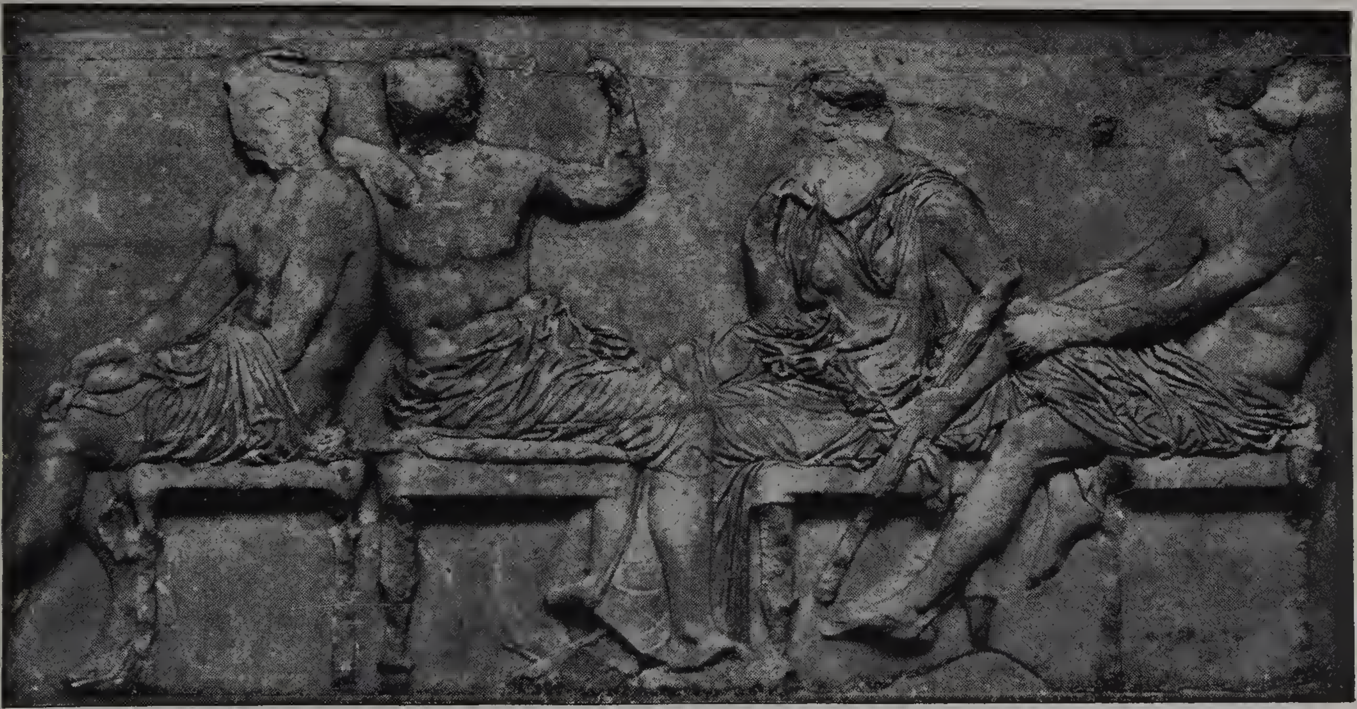


Fig. 488. Poseidon, Apollo, and Artemis, from the Parthenon frieze

Akropolis Museum, Athens

(Cf. pp. 170, 171, 230)



Photograph by W. F. Mansell

Fig. 489. Hermes, Dionysos, Demeter, and Ares, from the Parthenon frieze

British Museum, London

(Cf. pp. 170, 172, 230)

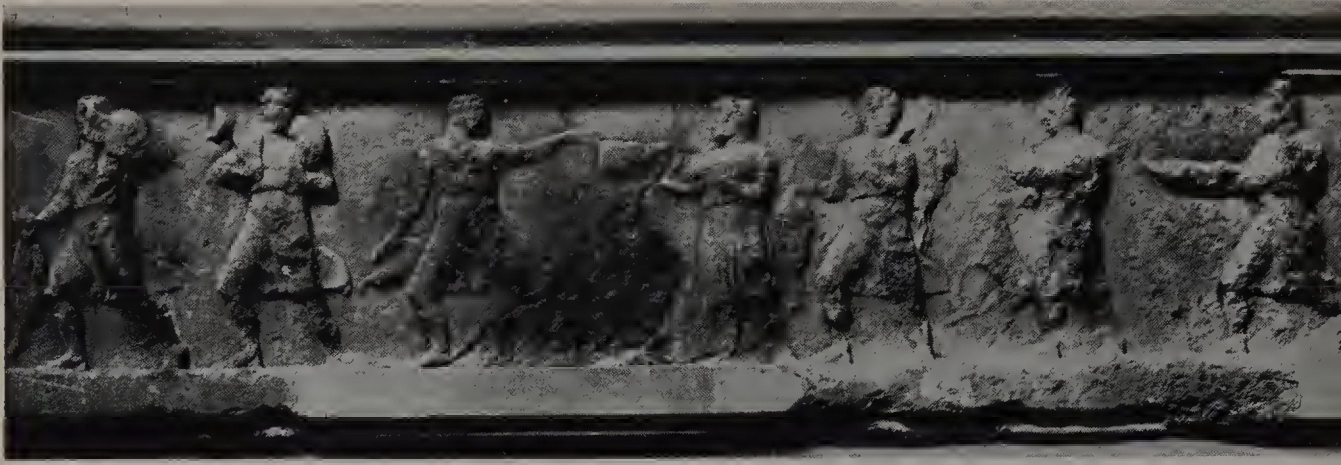


Fig. 490. Procession of tributaries, from the Nereid monument
British Museum, London
(Cf. p. 174)

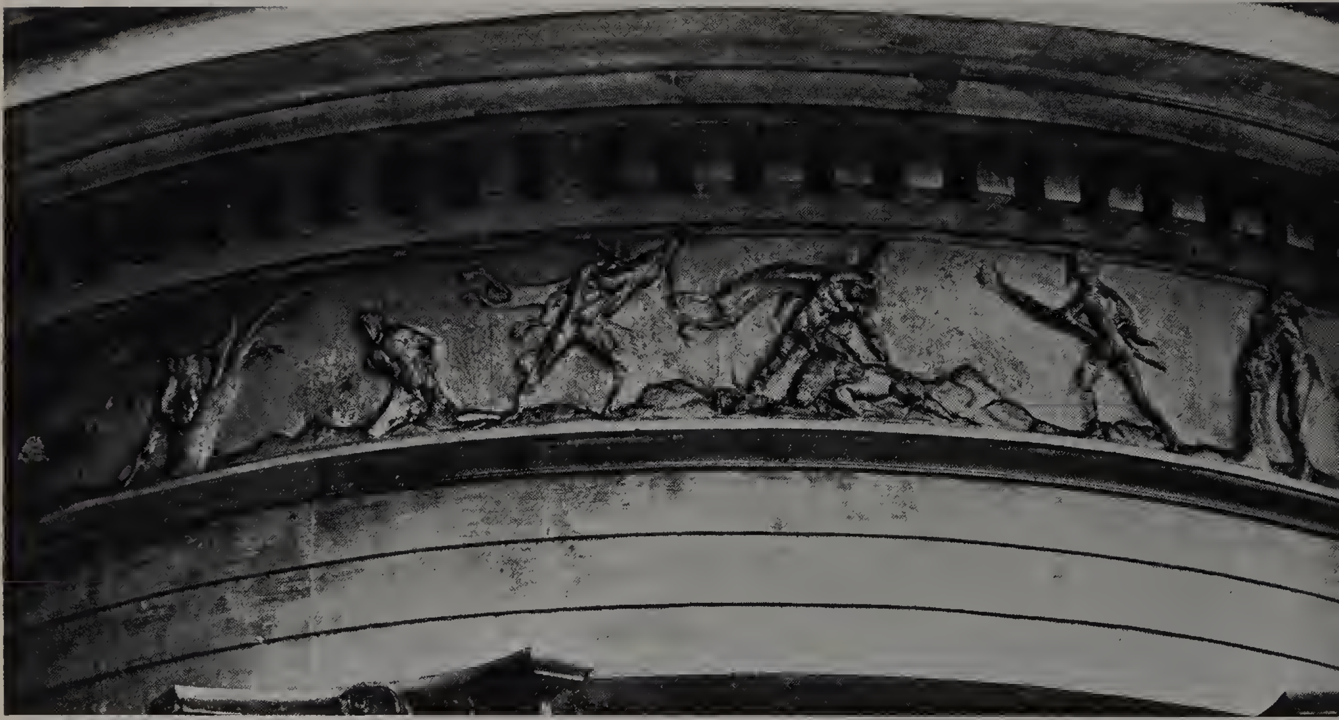


Fig. 491. Frieze from the Lysikrates monument
In situ at Athens
(Cf. pp. 131, 174)

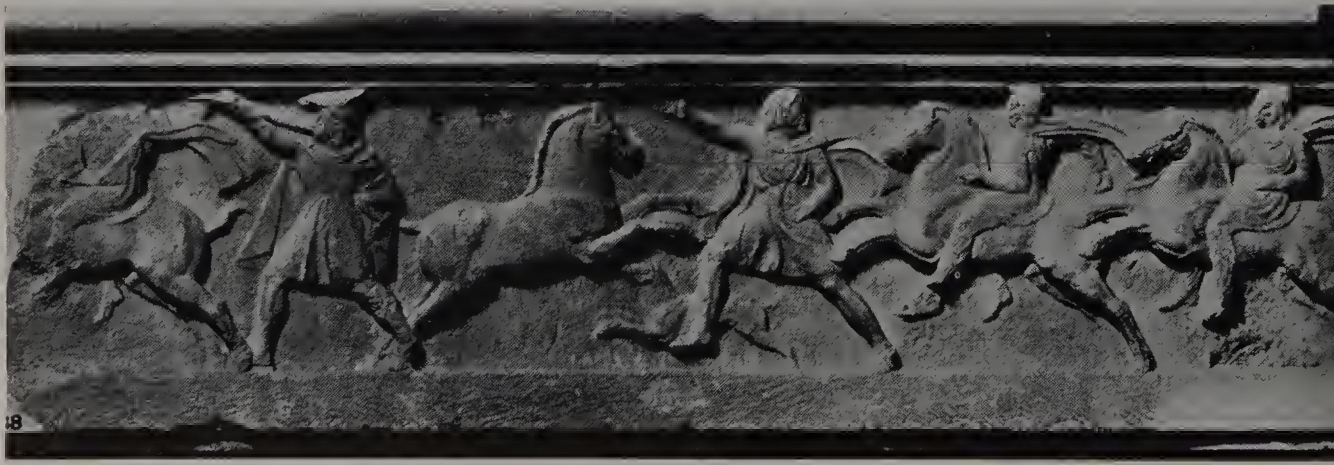


Fig. 492. Hunting scene, from the Nereid monument
British Museum, London
(Cf. p. 174)

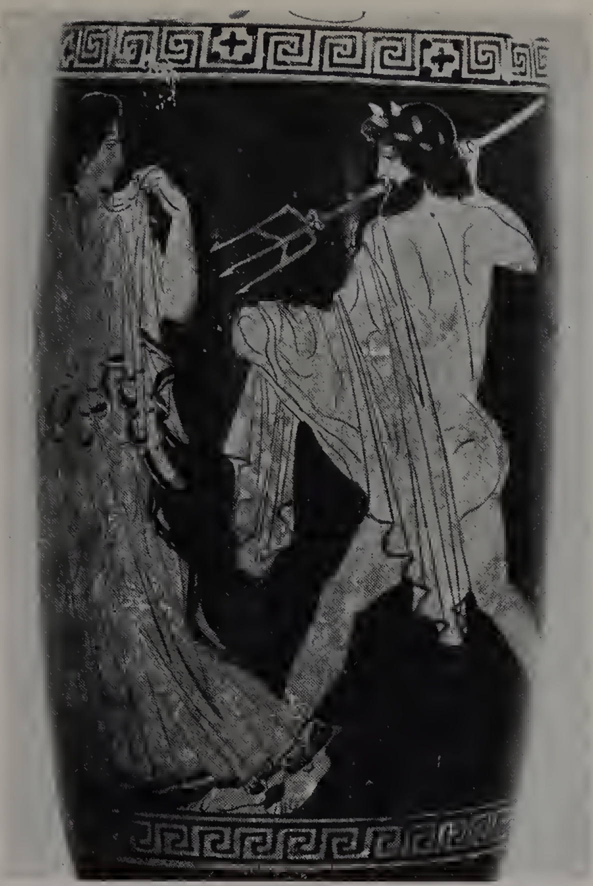


Fig. 493. Poseidon pursuing Amymone from a lekythos

Metropolitan Museum of Art

(Cf. p. 173)

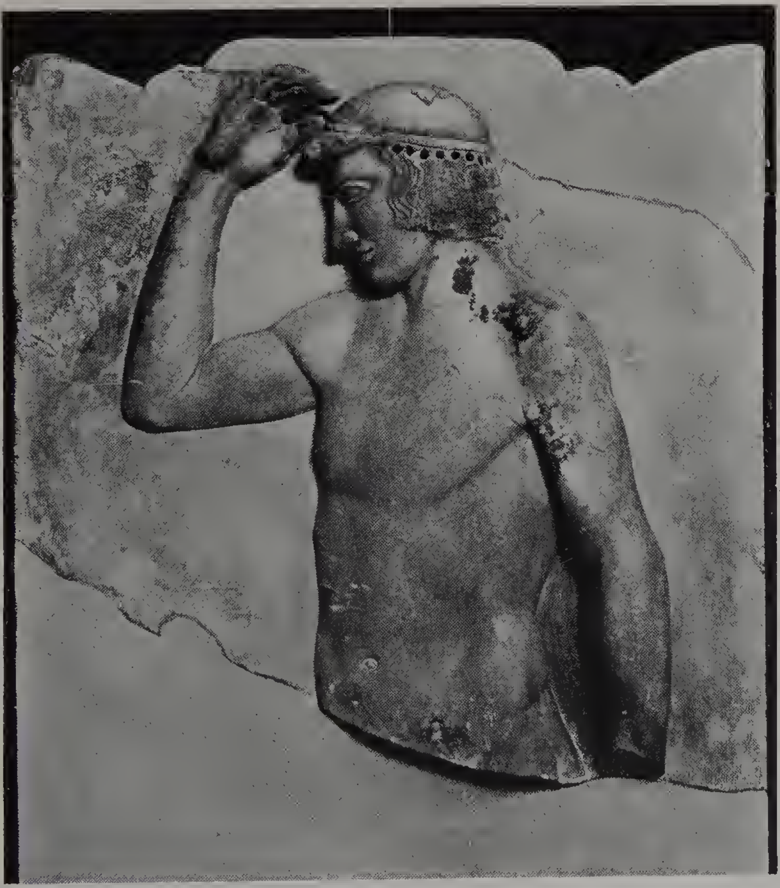


Fig. 494. Grave stele of an athlete, from Sounion

National Museum, Athens

(Cf. p. 169)

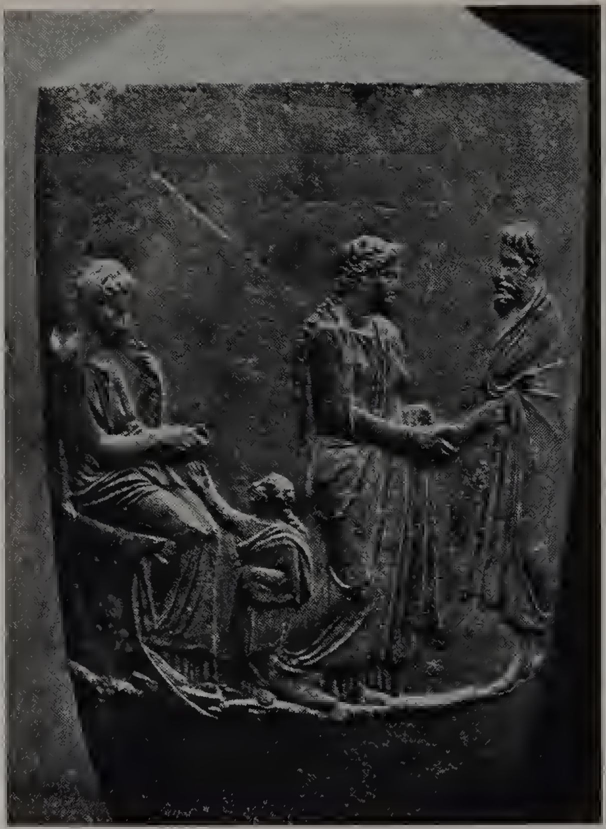


Fig. 495. Farewell scene, from a grave lekythos
Metropolitan Museum of Art
(Cf. p. 174)

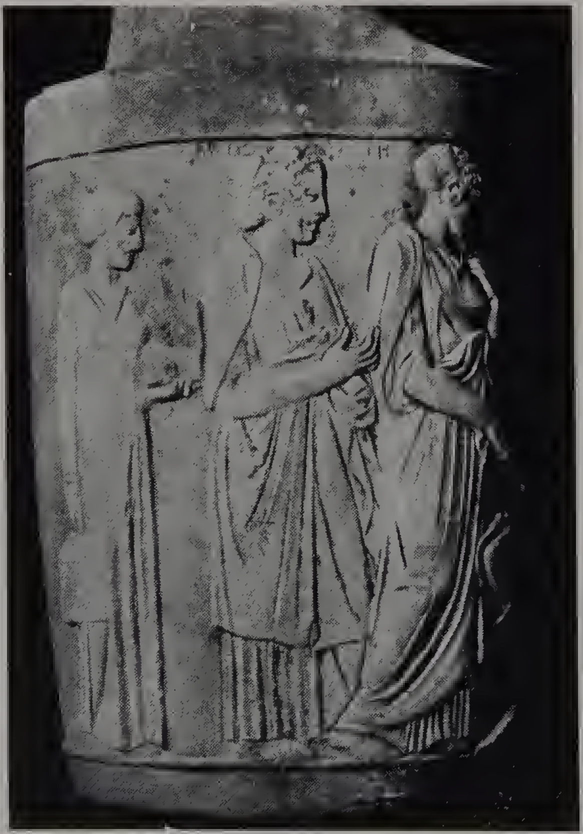


Fig. 496. Relief from a grave lekythos
Museum of Fine Arts, Boston
(Cf. p. 174)

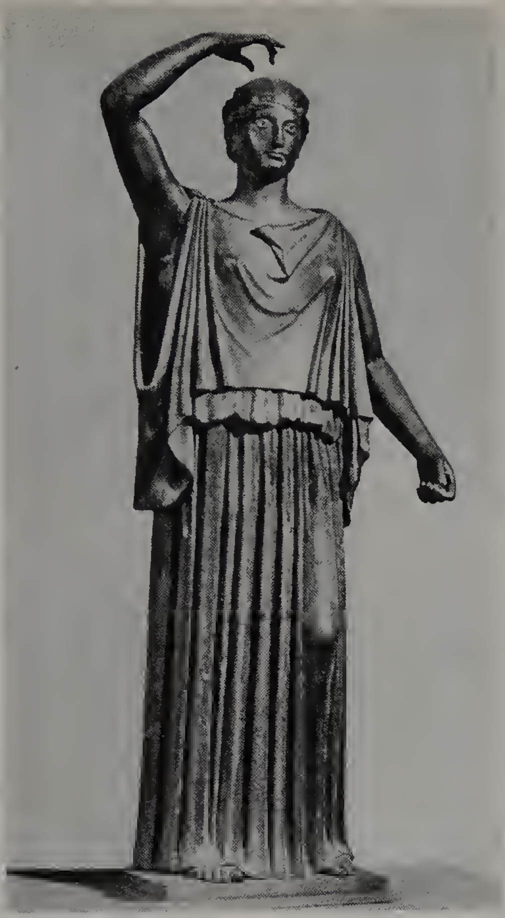


Fig. 497. Bronze statue of a dancer from Herculaneum

Museo Nazionale, Naples

(Cf. pp. 96, 179)

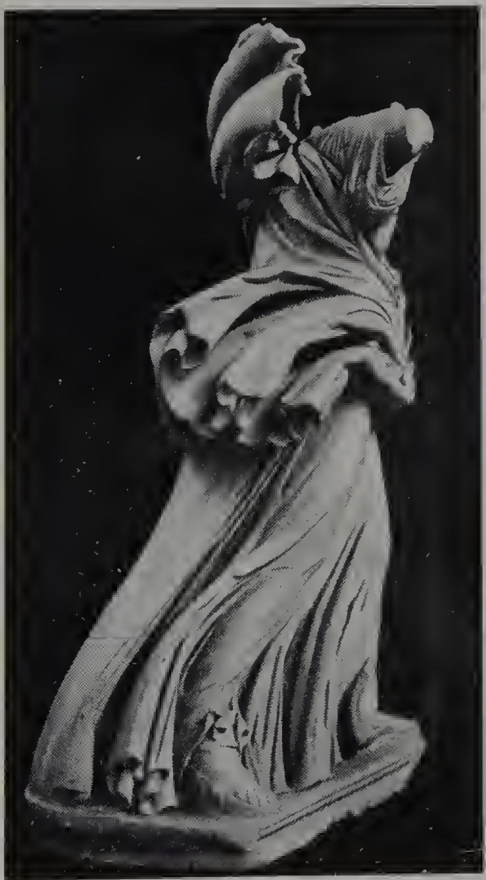


Fig. 498. The "Chiaramonti" Niobid

The Vatican, Rome

(Cf. p. 180)

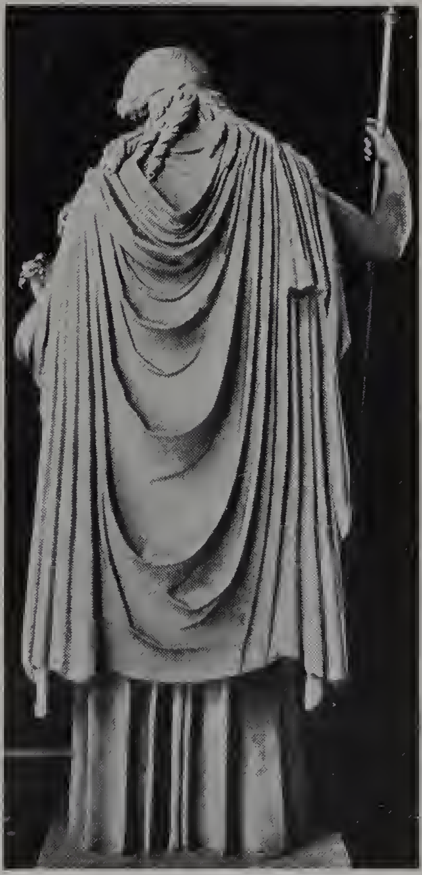


Fig. 499. Back view of the Eirene

The Glyptothek, Munich

(Cf. p. 179)

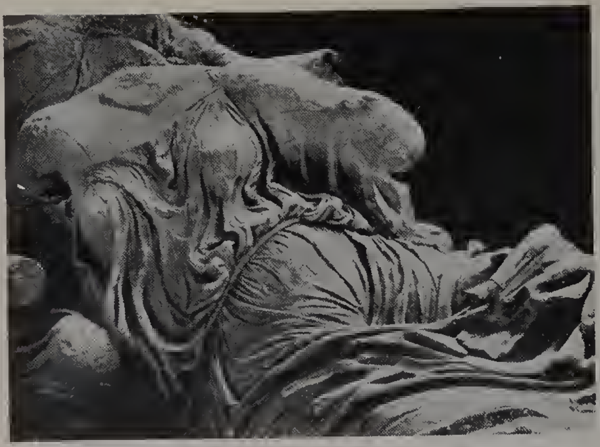


Fig. 500. Detail of one of the "Fates," from the eastern pediment of the Parthenon (from a cast)
British Museum, London
(Cf. p. 180)

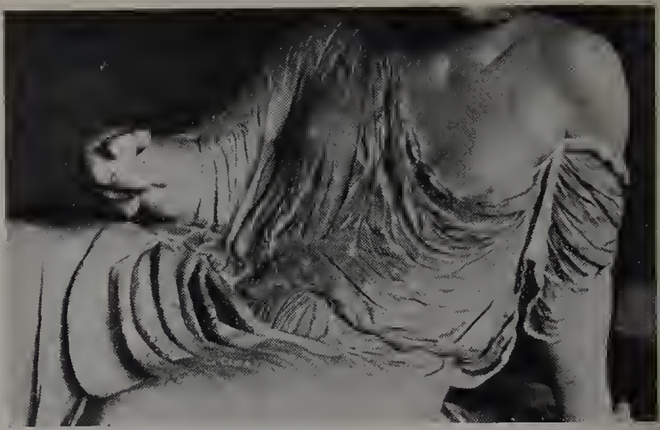


Fig. 501. "Barberini Suppliant" (from a cast)
Barberini Palace, Rome
(Cf. p. 180)

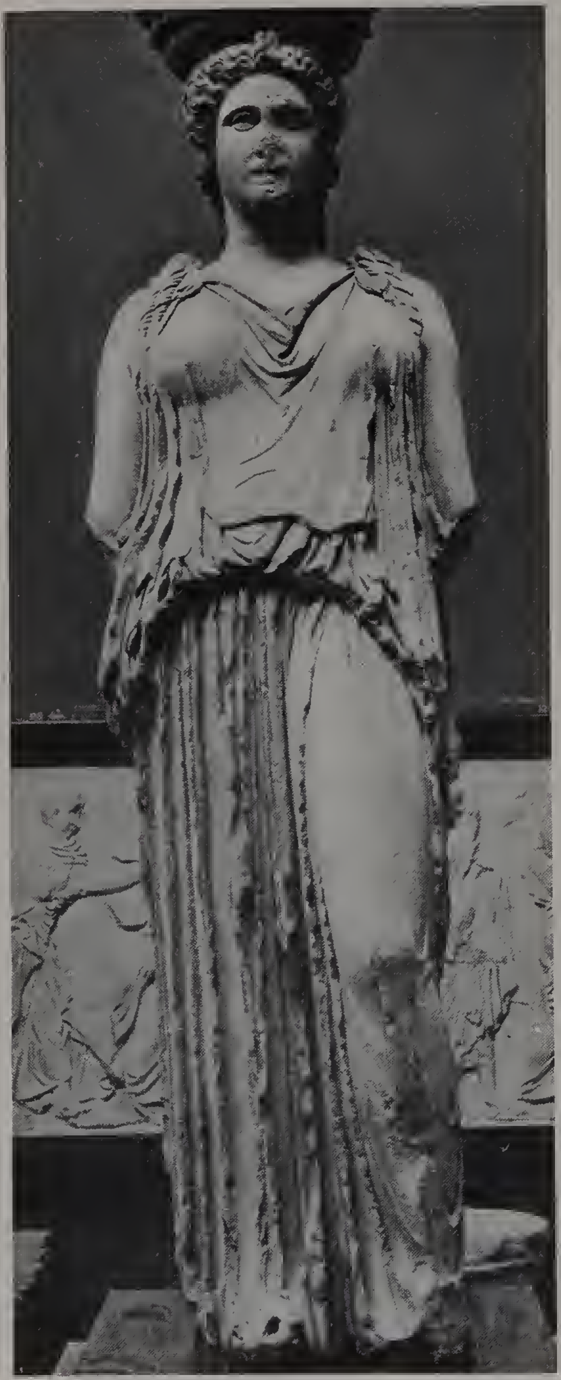


Fig. 502. Karyatid, from the Erechtheion
British Museum, London
(Cf. pp. 101, 106, 179)

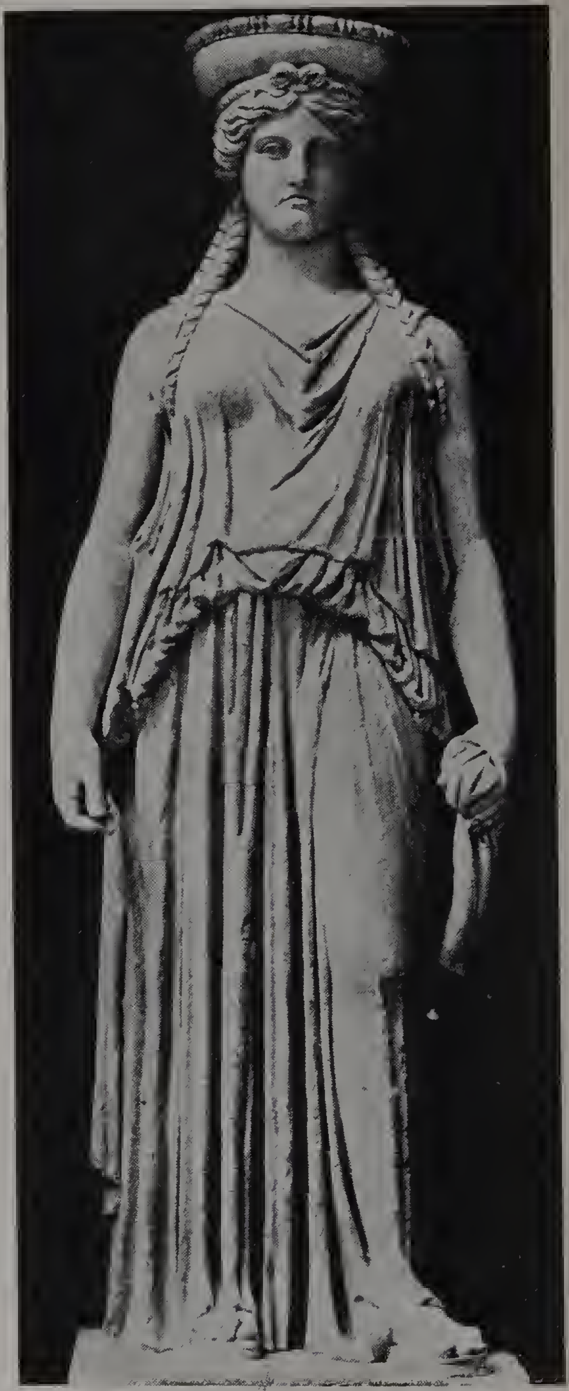


Fig. 503. Roman copy of the Erechtheion karyatid (cf. p. 179)
The Vatican, Rome

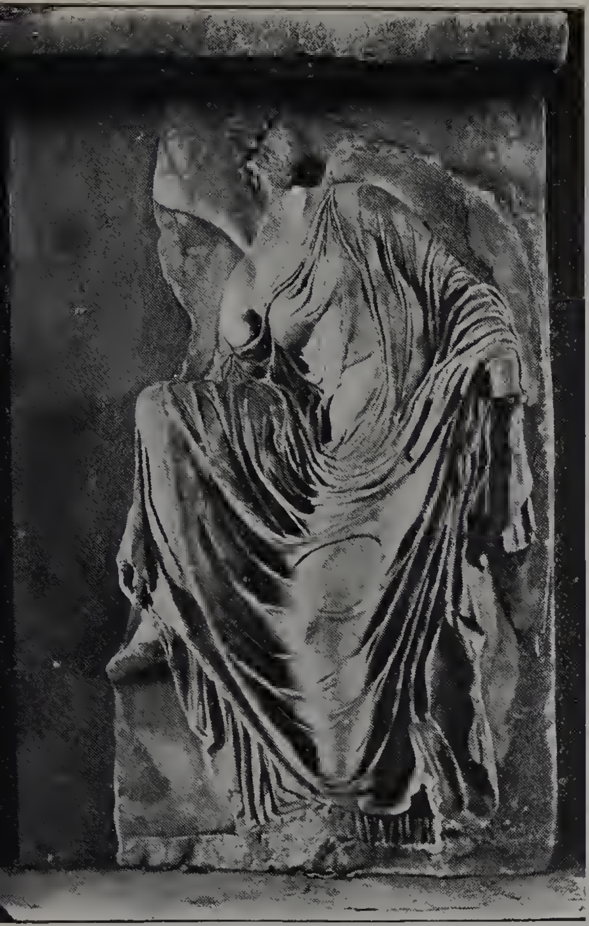


Fig. 504. Nike, from the "Balustrade" of the Athena Nike temple (cf. pp. 100, 179, 181)
Akropolis Museum, Athens

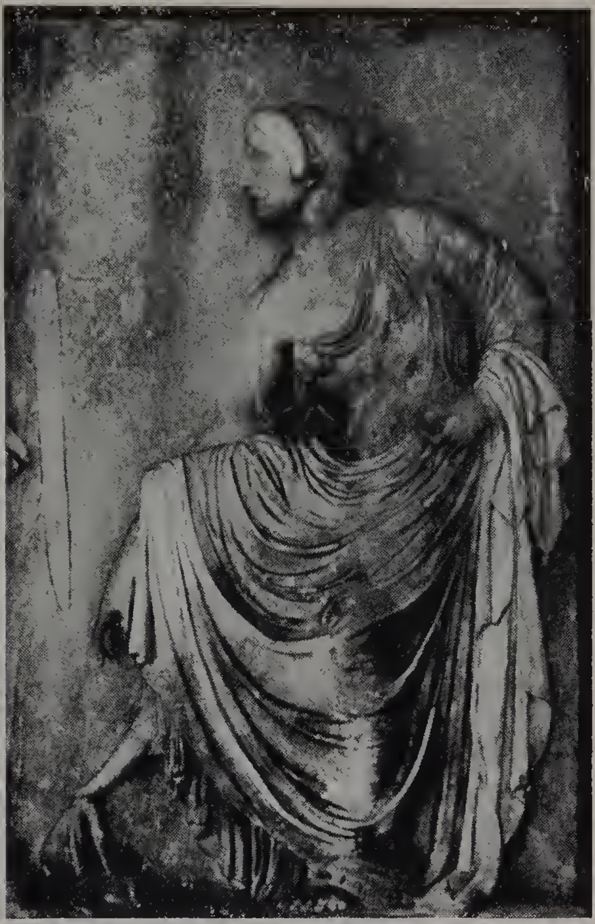


Fig. 505. Detail from a Neo-Attic relief
The Glyptothek, Munich
(Cf. p. 180)

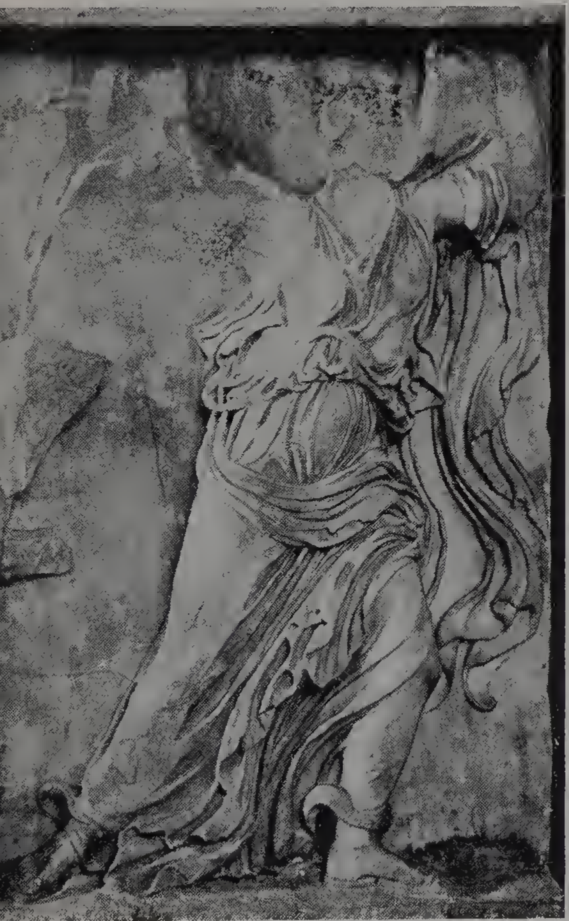


Fig. 506. Nike, from the "Balustrade" of the Athena Nike temple (cf. pp. 100, 180, 181)
Akropolis Museum, Athens

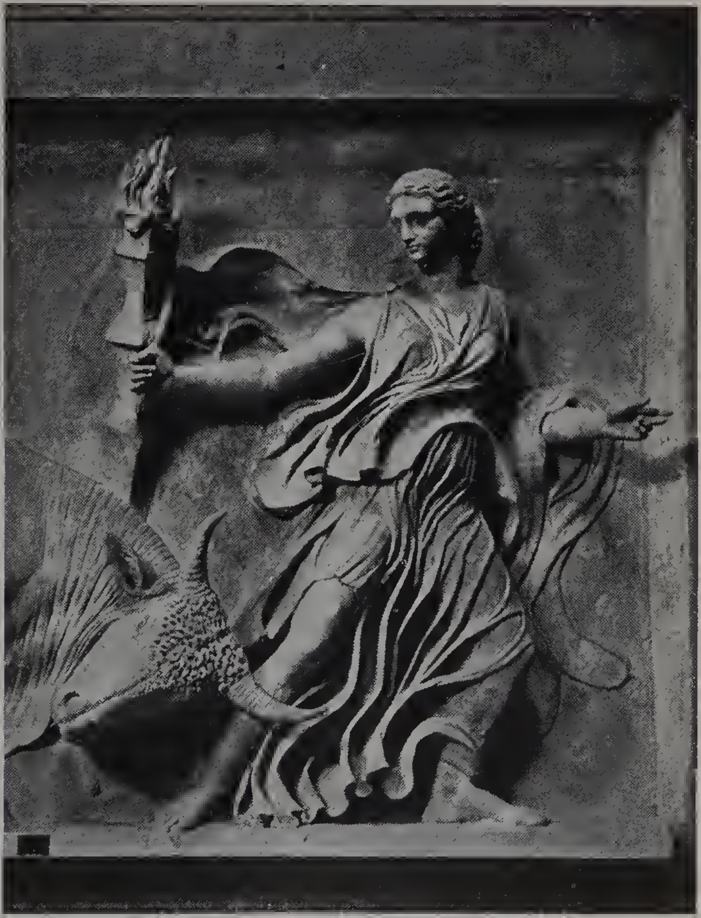


Fig. 507. A sacrifice of a bull, detail from a Neo-Attic relief
The Vatican, Rome
(Cf. p. 180)

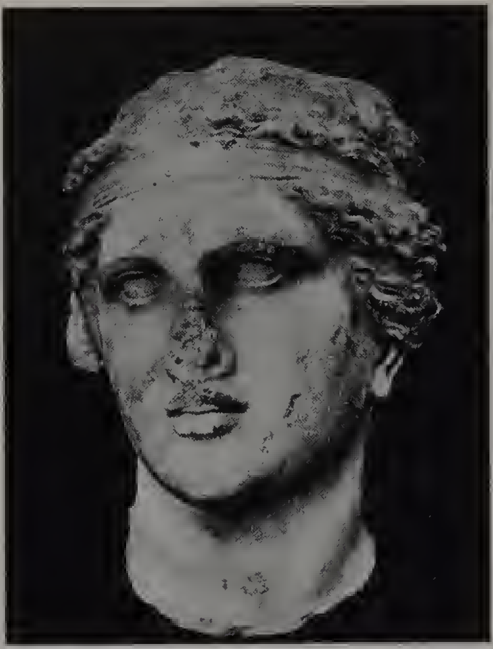


Fig. 508. Head of Ariadne (?), from the Akropolis (cf. p. 180)
National Museum, Athens

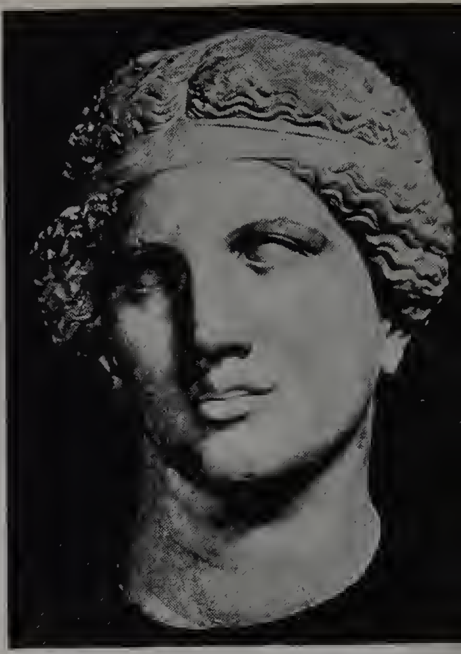


Fig. 509. Roman copy of Fig. 508
Staatliche Museen, Berlin
(Cf. p. 180)

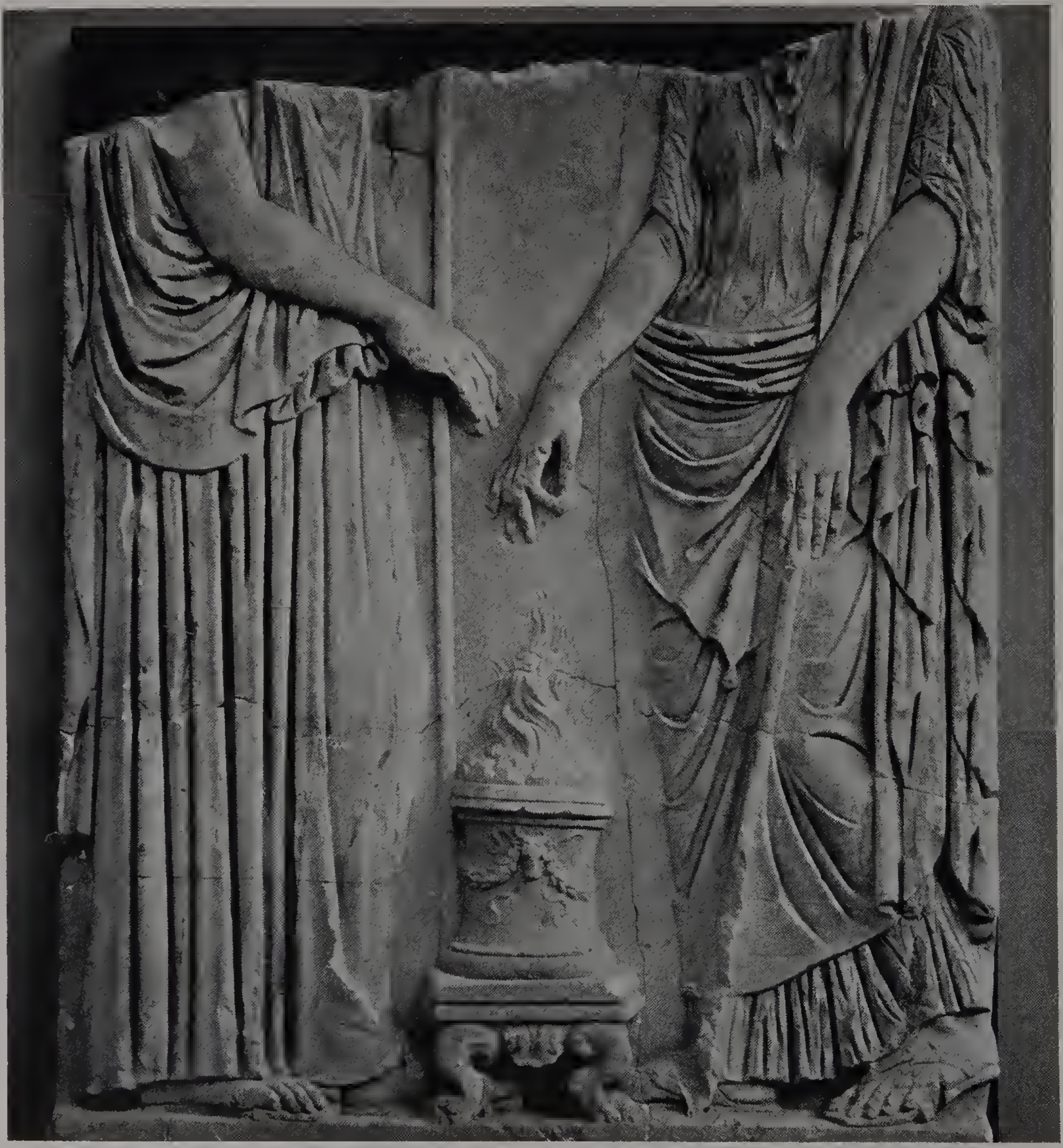


Fig. 510. Demeter and Persephone, Roman version of Fig. 481 (cf. p. 180)
Metropolitan Museum of Art

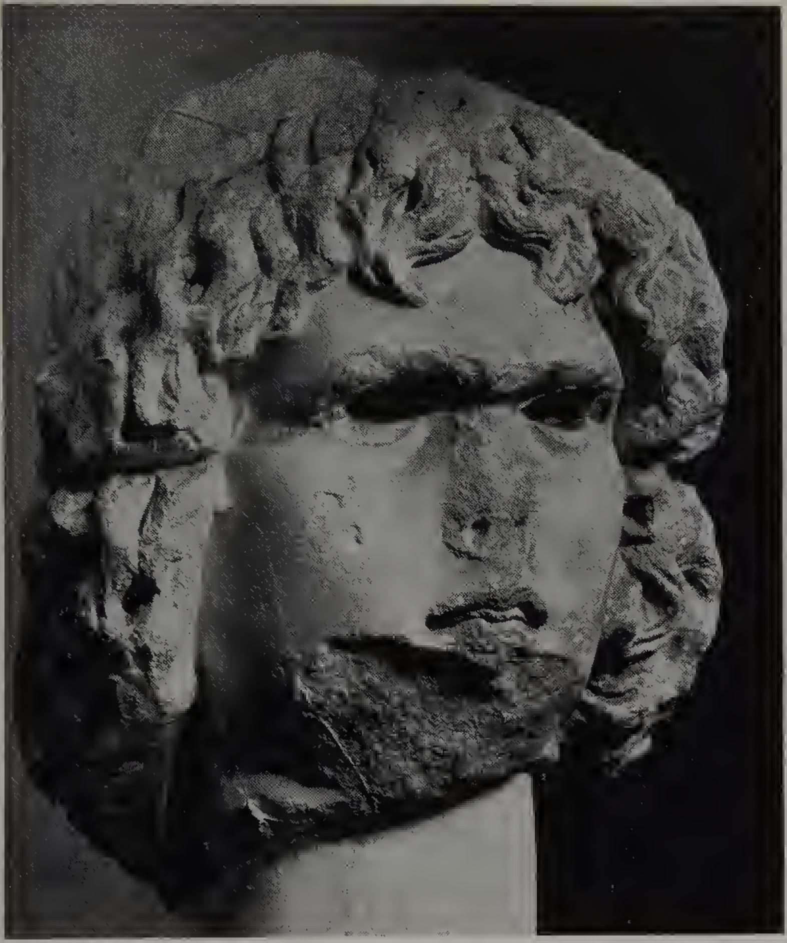


Fig. 511. Roman copy of Fig. 512 (from a cast) (cf. p. 181)
National Museum, Athens

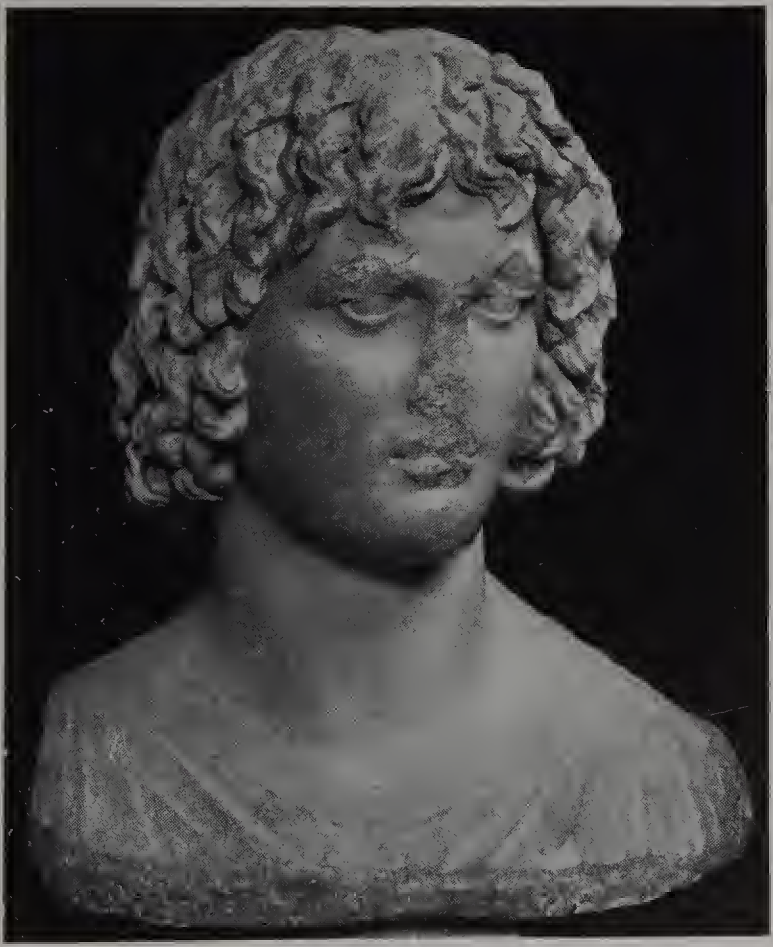


Fig. 512. Head of Eubouleus (cf. pp. 181, 265)
National Museum, Athens

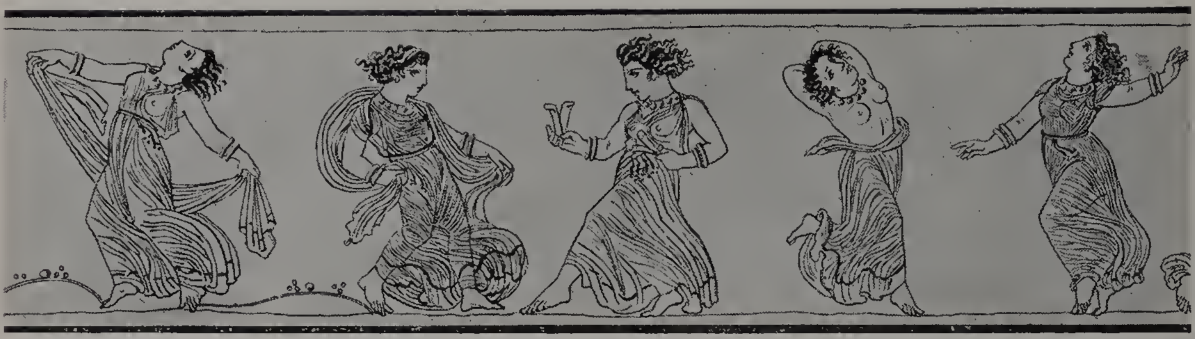


Fig. 513. Maenads, from a pyxis
National Museum, Athens
(Cf. p. 181)

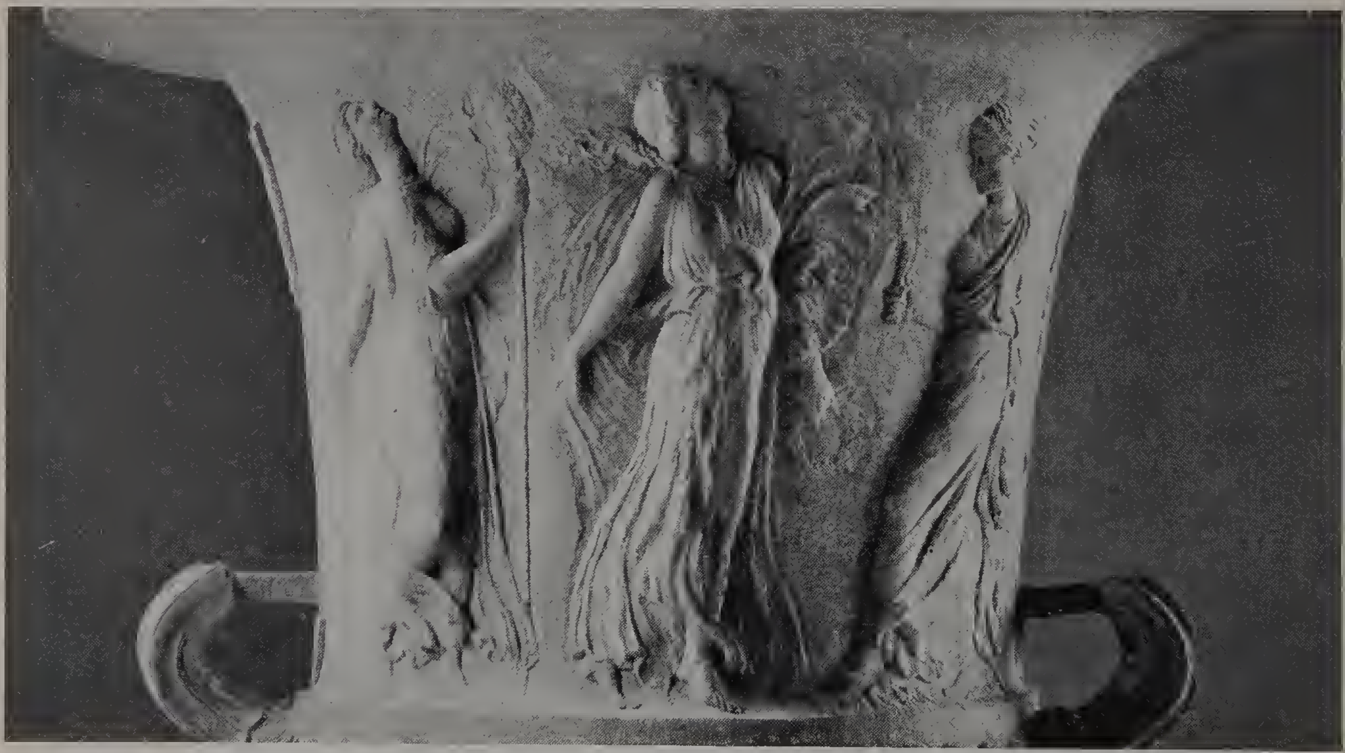


Fig. 514. Maenads, from a Neo-Attic vase
Metropolitan Museum of Art
(Cf. p. 181)

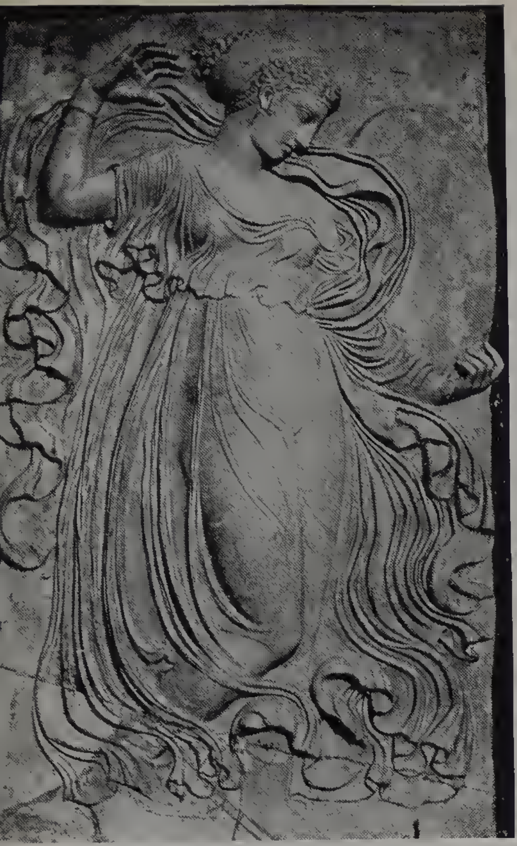


Fig. 515. Relief from a Neo-Attic altar

The Prado, Madrid

(Cf. p. 181)

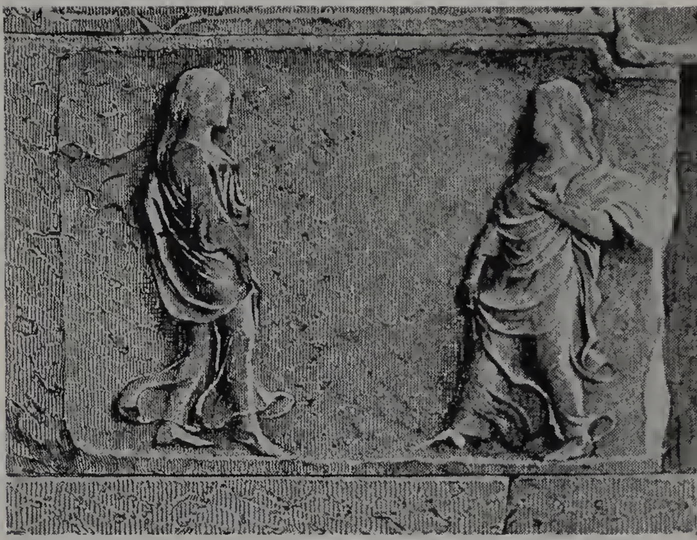


Fig. 516. Dancers from the frieze of the Heroön at Gjölbaschi

Kunsthistorisches Museum, Vienna

(Cf. p. 182)

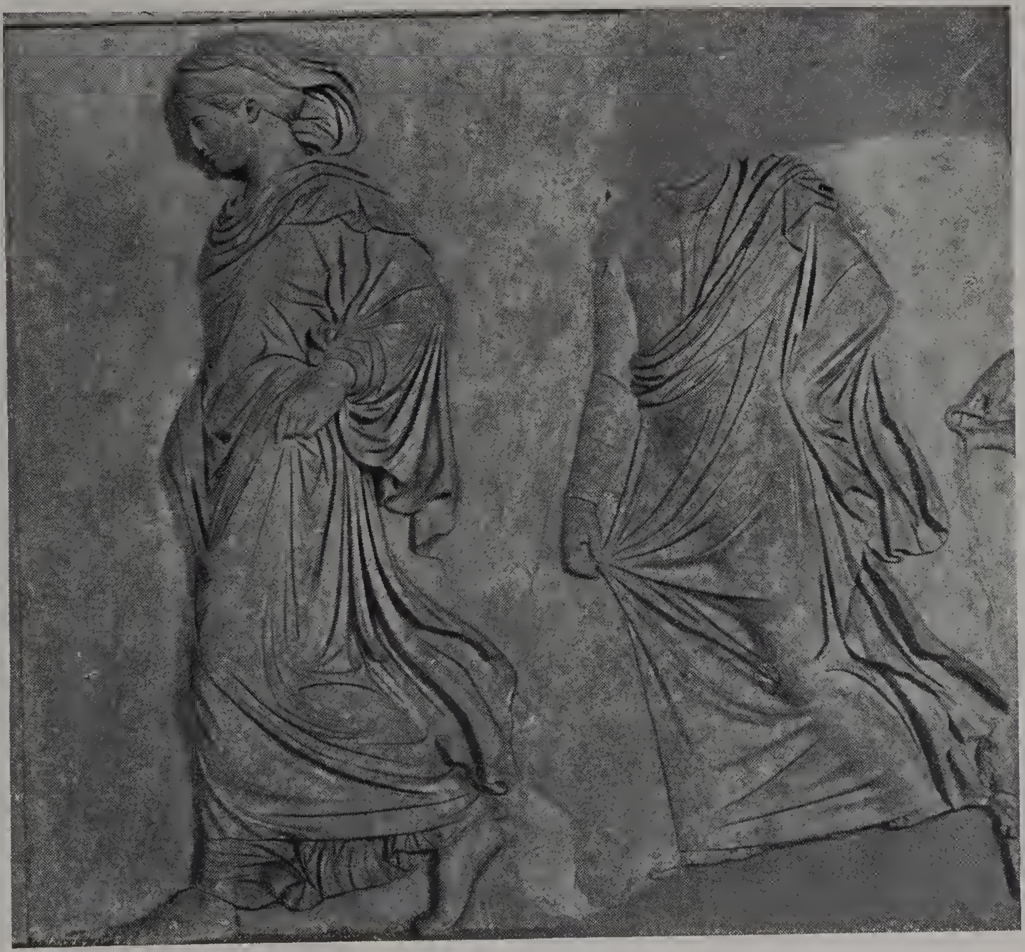


Fig. 517. Neo-Attic relief

The Vatican, Rome

(Cf. p. 182)

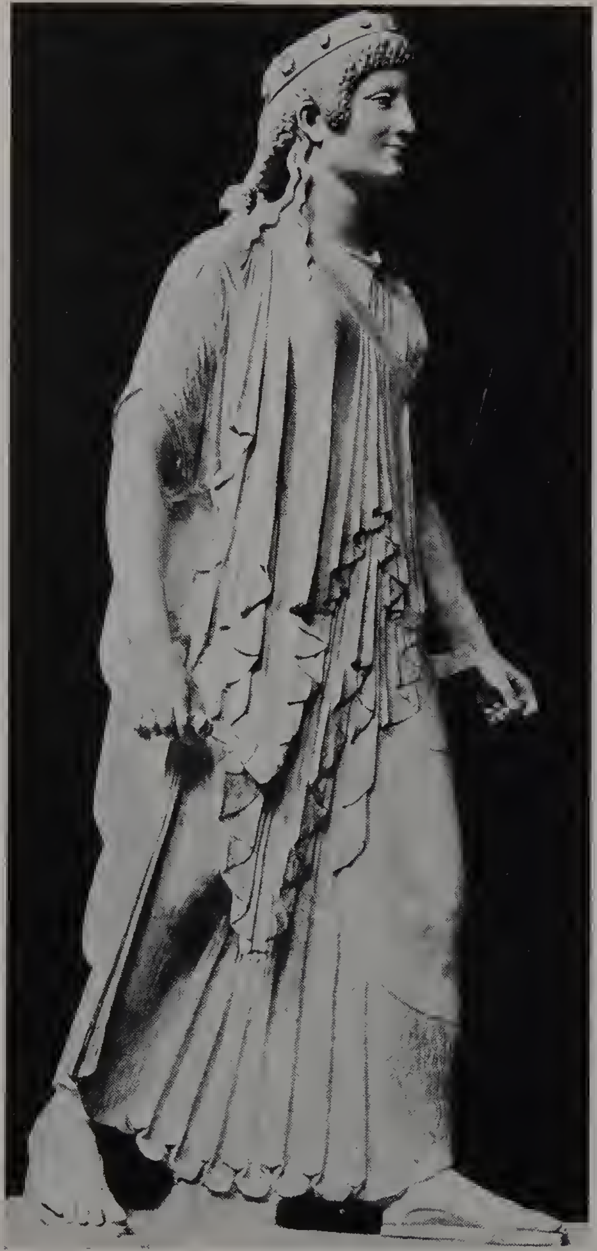


Fig. 518. Archaistic Artemis
Museo Nazionale, Naples

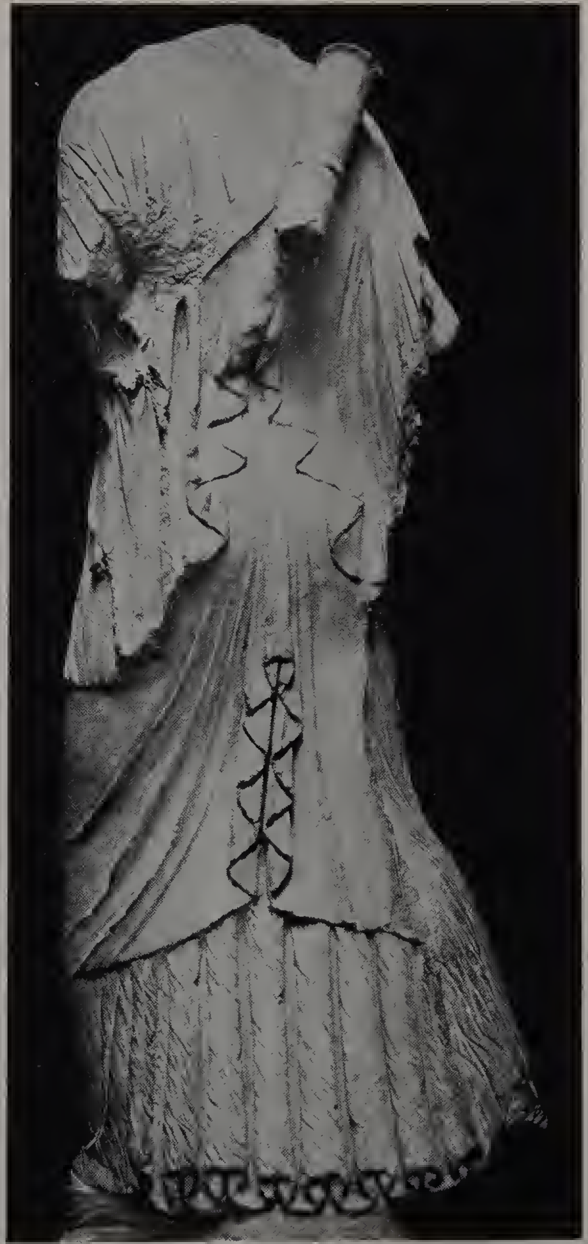


Fig. 519. Archaistic Artemis
Museo Archeologico, Florence

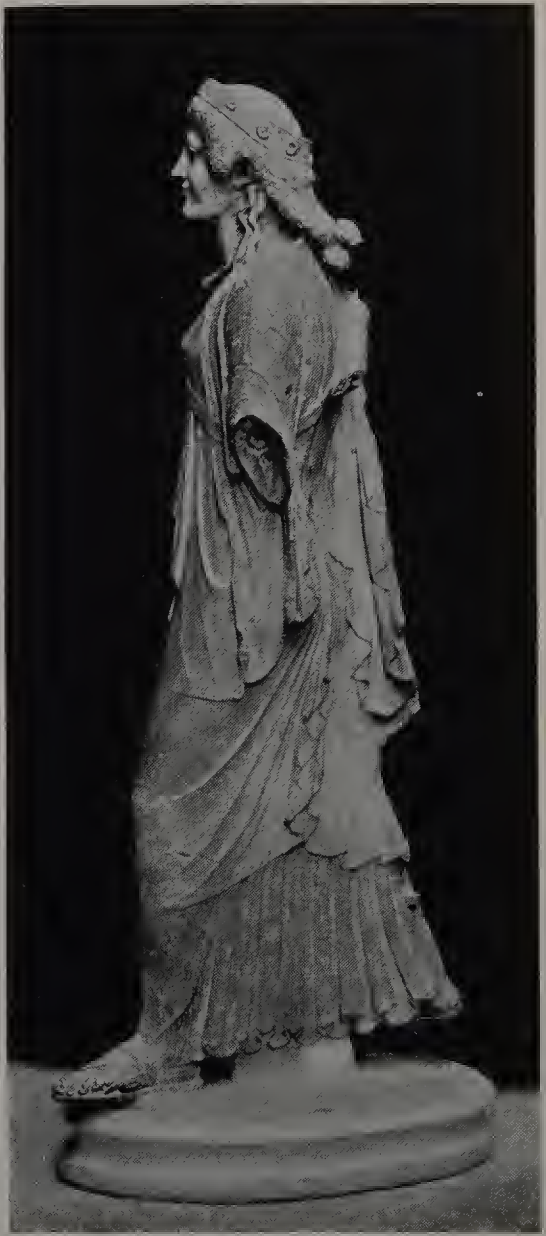


Fig. 520. Archaistic Artemis
Museo Archeologico, Venice

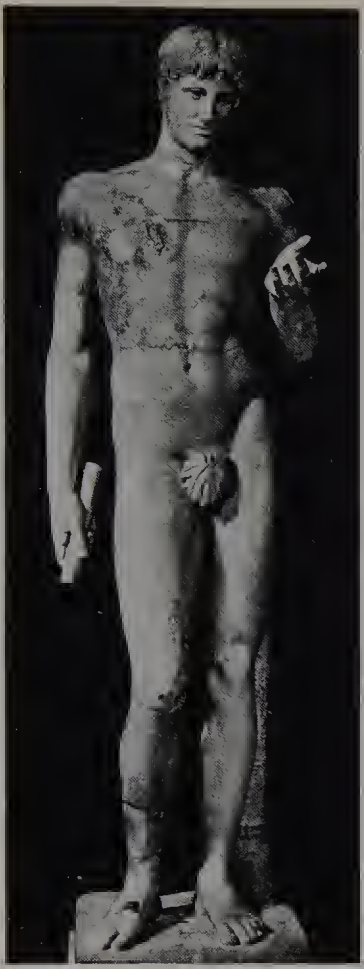


Fig. 521. Youth by Stephanos
Albani Collection, Rome
(Cf. p. 182)

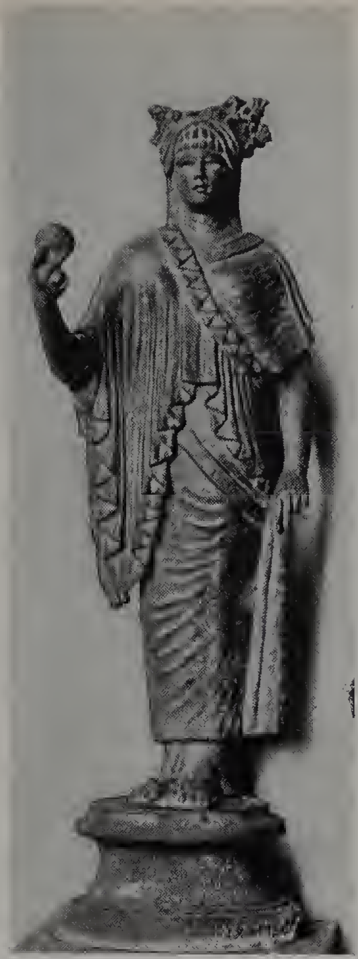


Fig. 522. Archaistic bronze statuette
Bibliothèque Nationale, Paris
(Cf. p. 183)

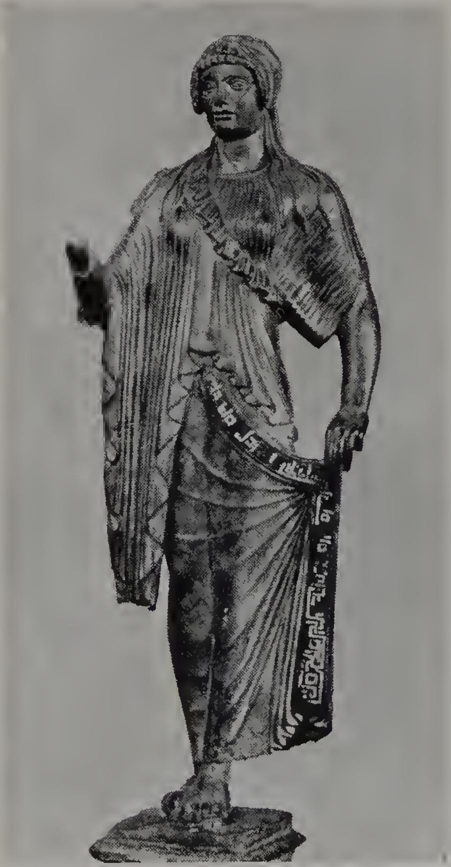


Fig. 523. Archaistic bronze statuette
British Museum, London
(Cf. p. 182)

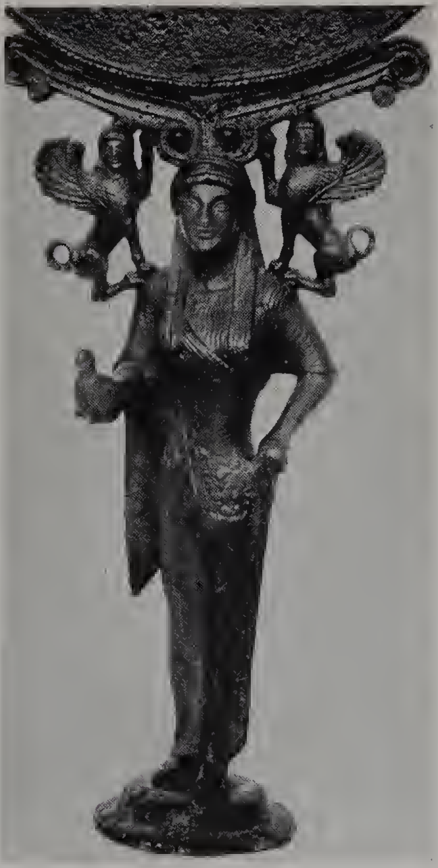


Fig. 524. Archaic bronze statuette
National Museum, Athens
(Cf. p. 183)

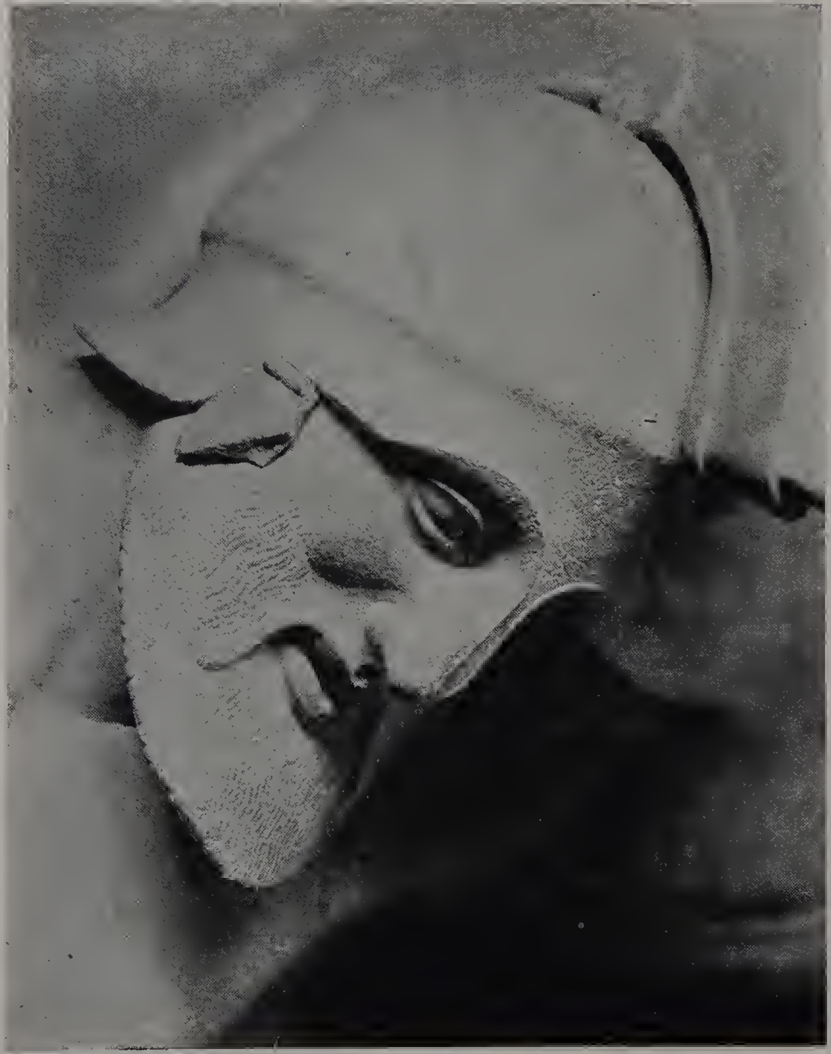


Fig. 525. Head of a fallen warrior, from the eastern pediment at Aigina
The Glyptothek, Munich
(Cf. pp. 77, 183)

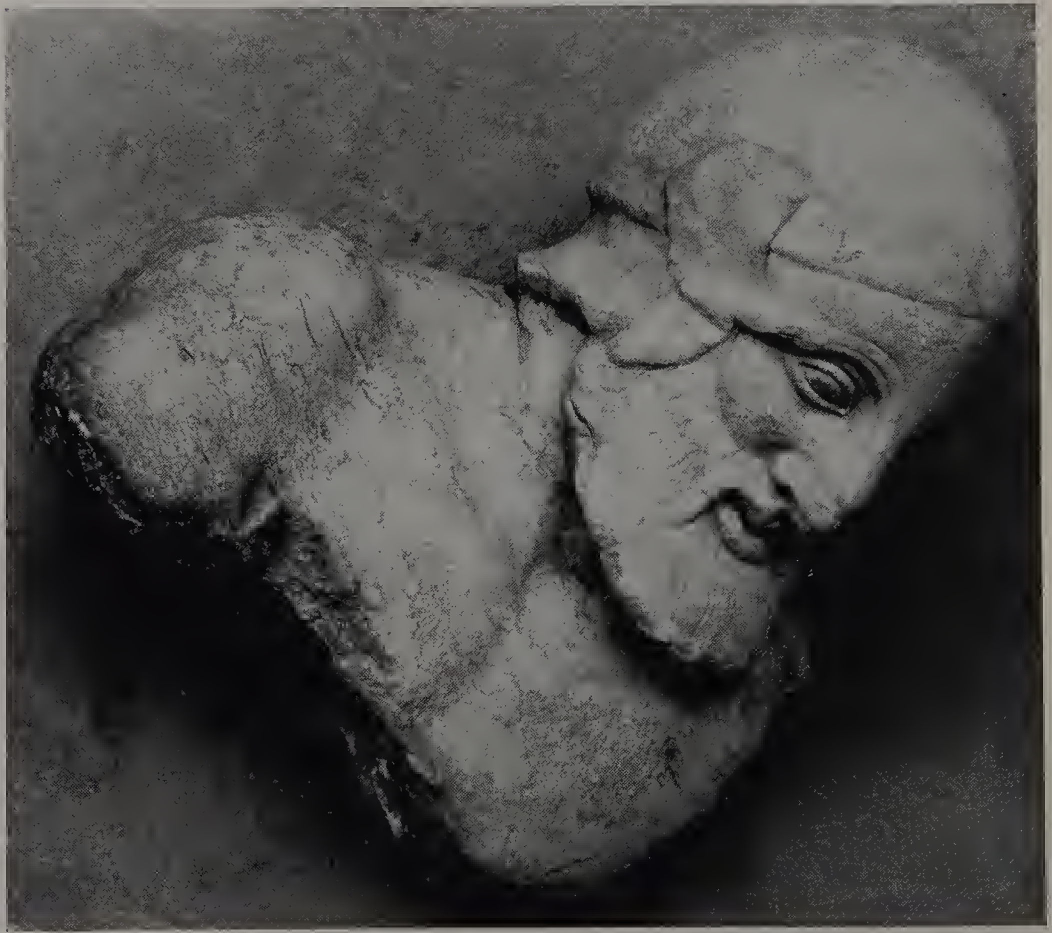
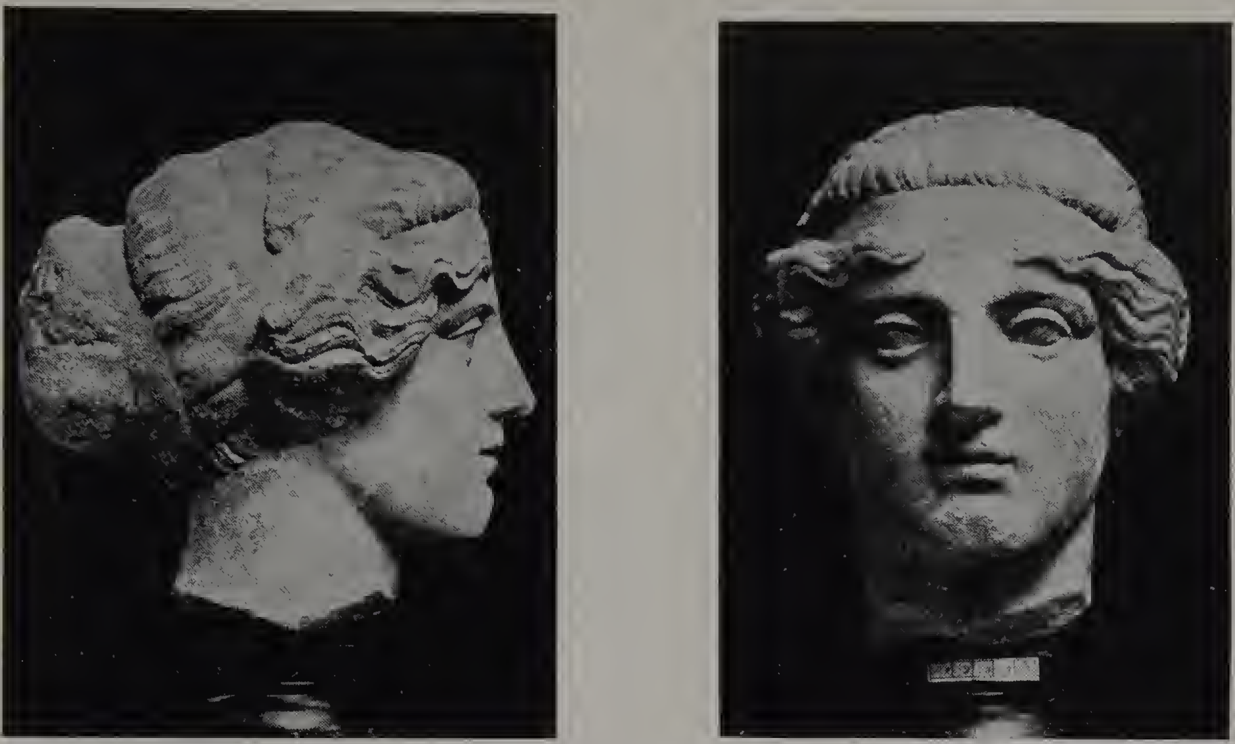
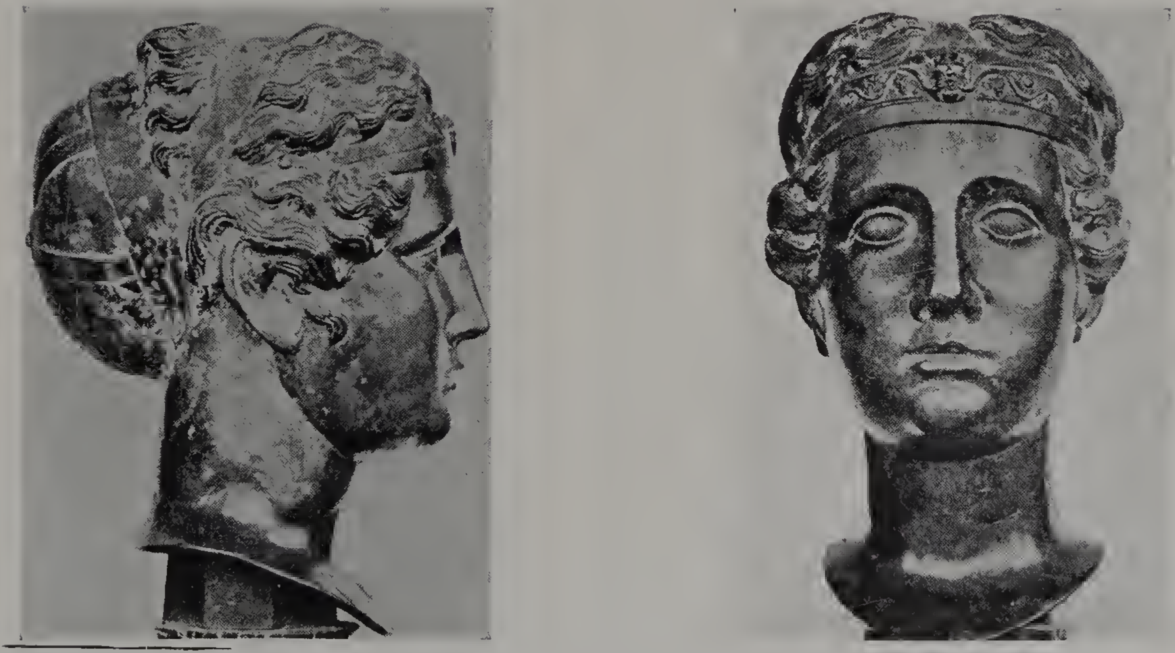


Fig. 526. Modern forgery copied from Fig. 525
Metropolitan Museum of Art
(Cf. p. 183)



Figs. 527 and 528. Marble head of "Sappho"
Roman copy of a Greek original
Glyptotek Ny Carlsberg, Copenhagen
(Cf. p. 184)



Figs. 529 and 530. Modern forgery in the style of Figs. 527 and 528
(Cf. p. 184)

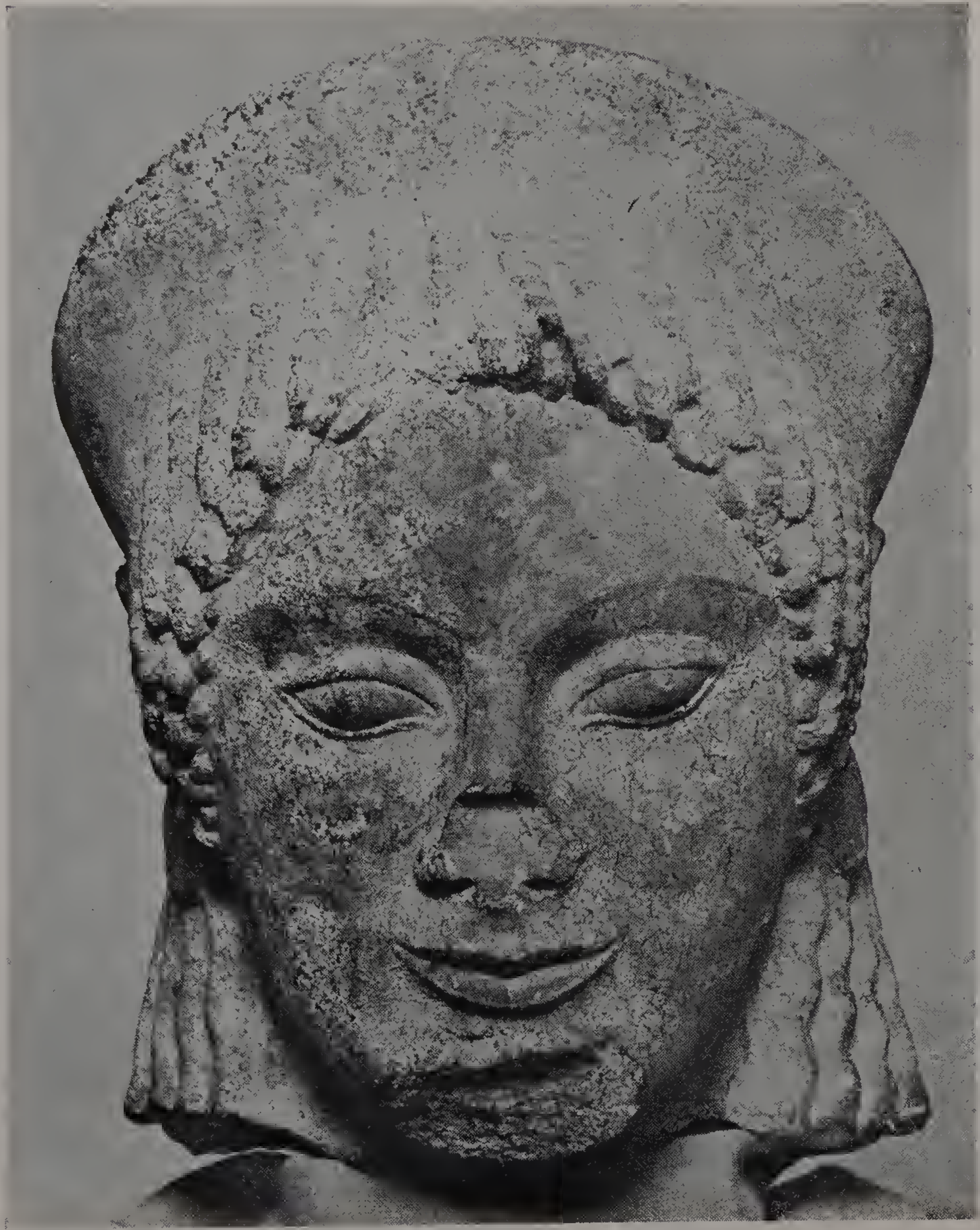


Fig. 531. Archaic head of a maiden
National Museum, Athens

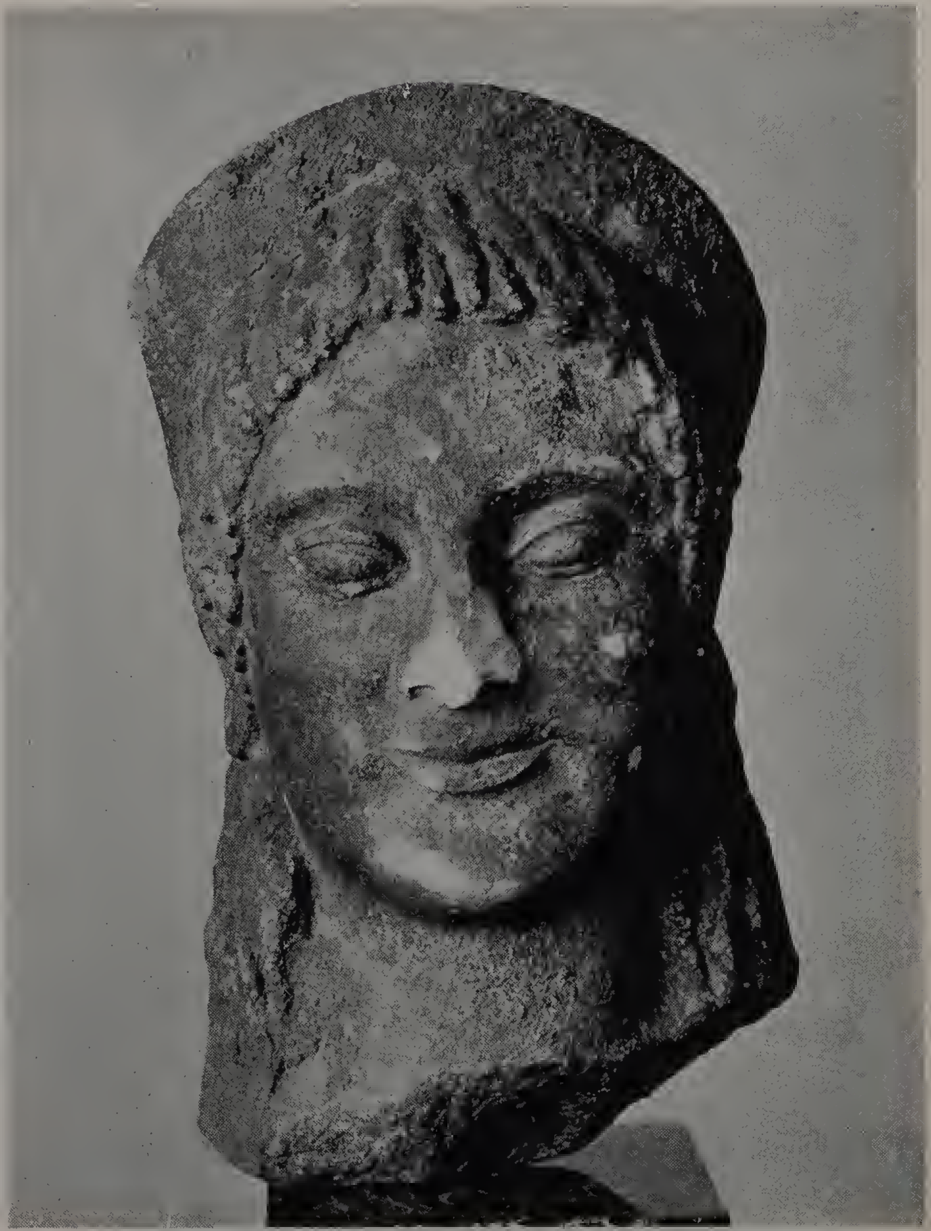


Fig. 532. Modern forgery copied from Fig. 531
(Cf. p. 184)

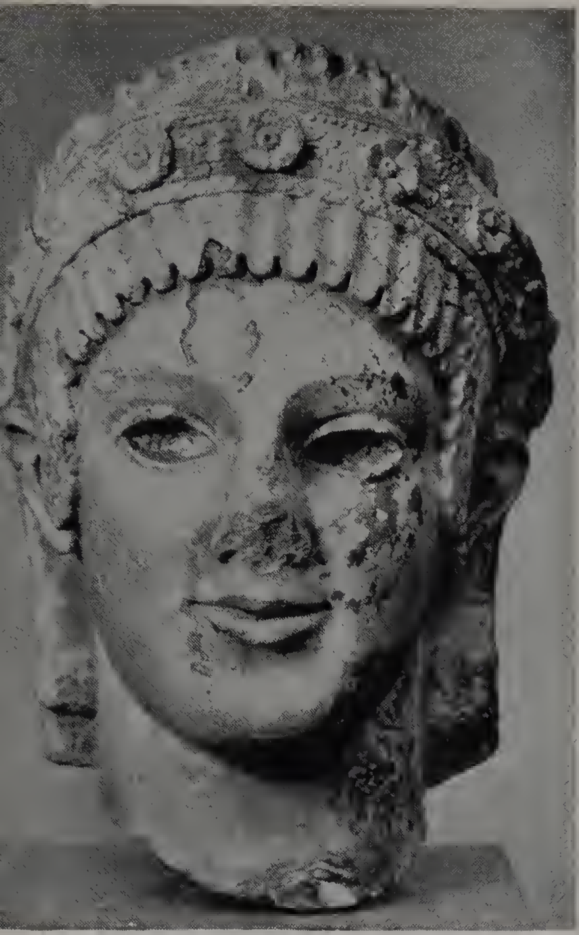


Fig. 533. Archaistic head of Athena
Metropolitan Museum of Art
(Cf. p. 185)

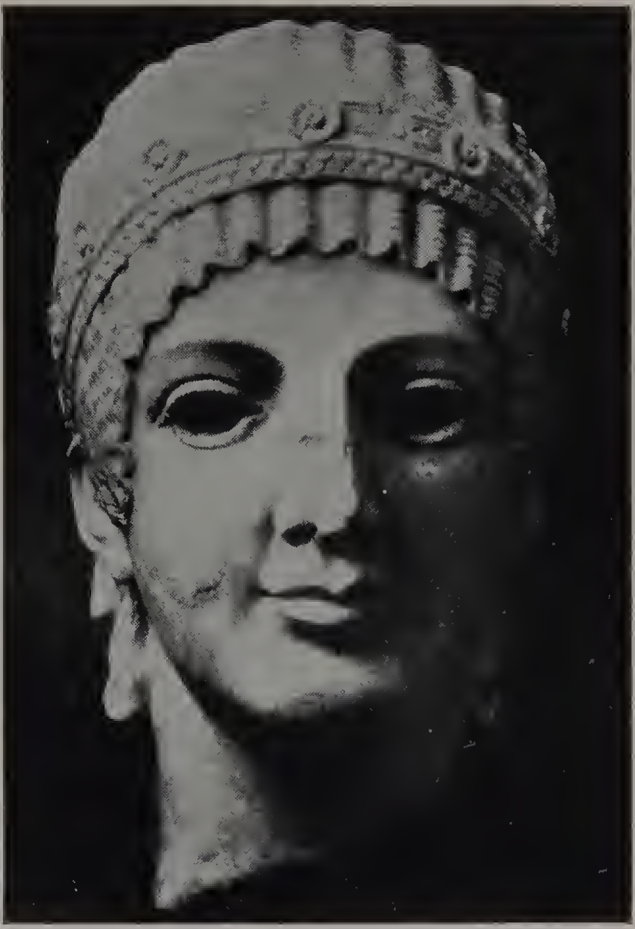


Fig. 534. Modern forgery copied from Fig. 533
(Cf. p. 185)

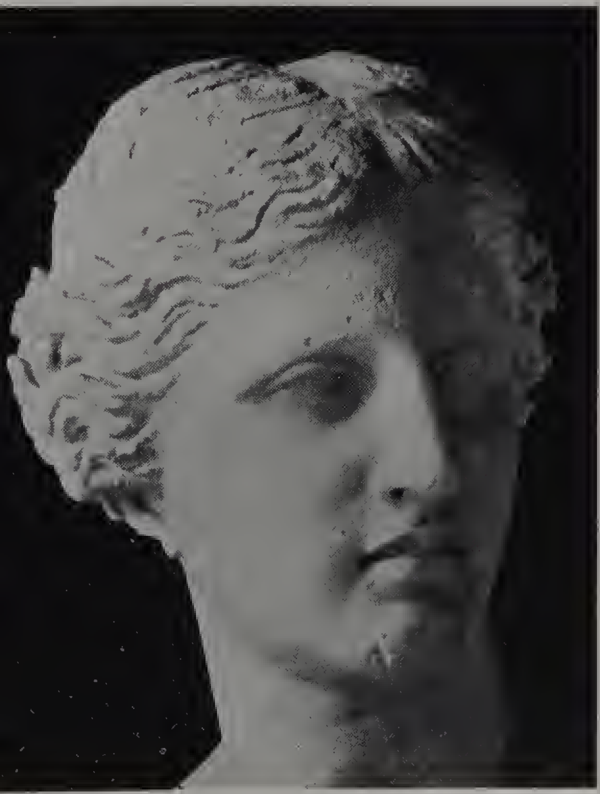


Fig. 535. Head of the Aphrodite of Melos
The Louvre, Paris
(Cf. p. 185)

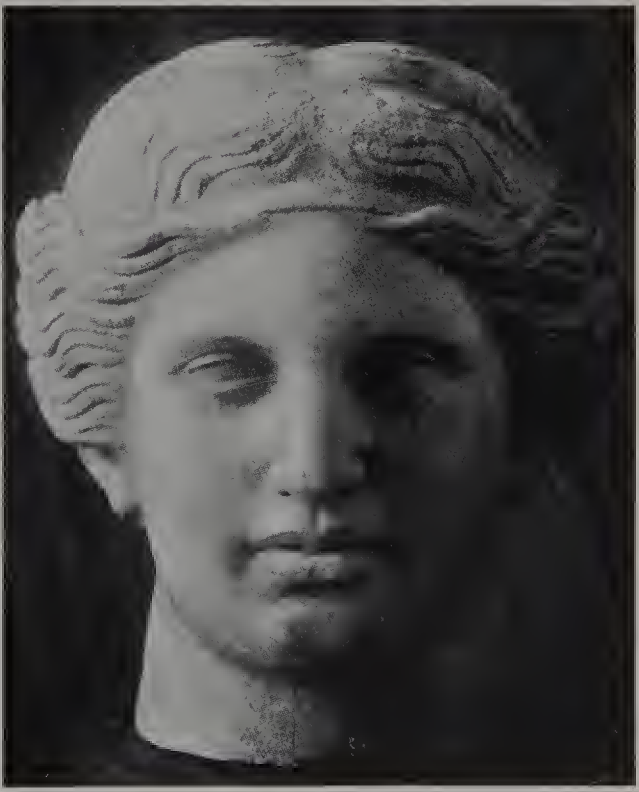


Fig. 536. Modern forgery in the style of Fig. 535
(Cf. p. 185)

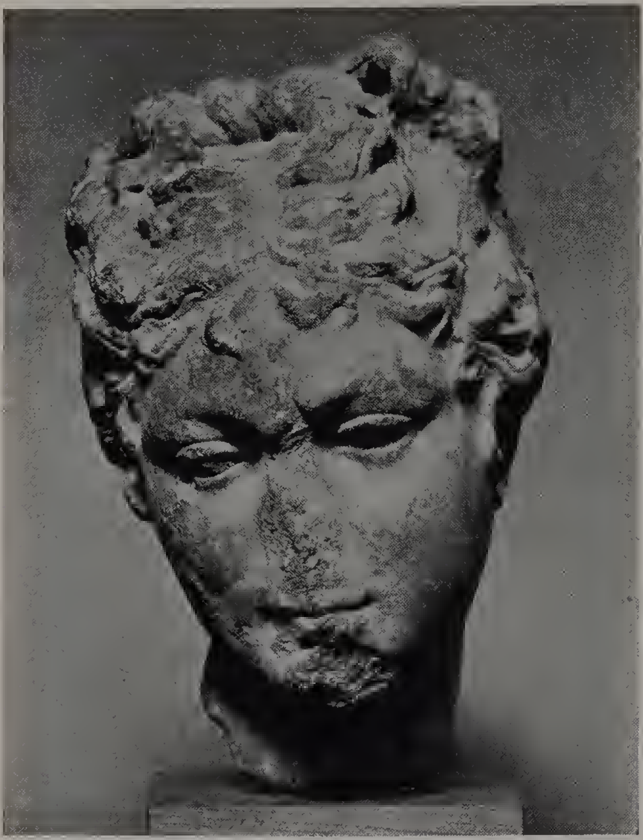


Fig. 537. Greek head of a girl
Metropolitan Museum of Art
(Cf. p. 185)

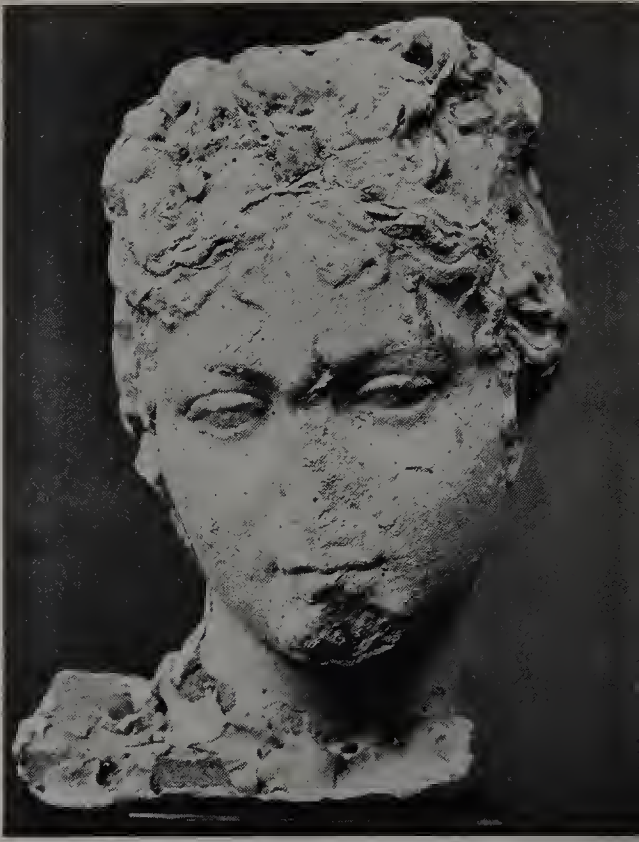


Fig. 538. Plaster cast of Fig. 537, showing puntelli for reproduction
(Cf. p. 185)

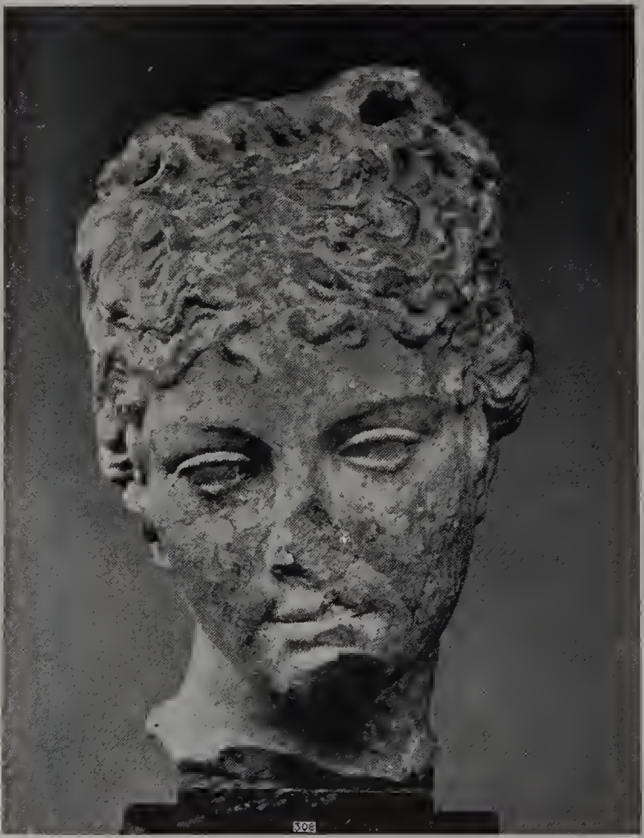


Fig. 539. Modern forgery copied from Fig. 537 with the help of the plaster cast Fig. 538
(Cf. p. 185)

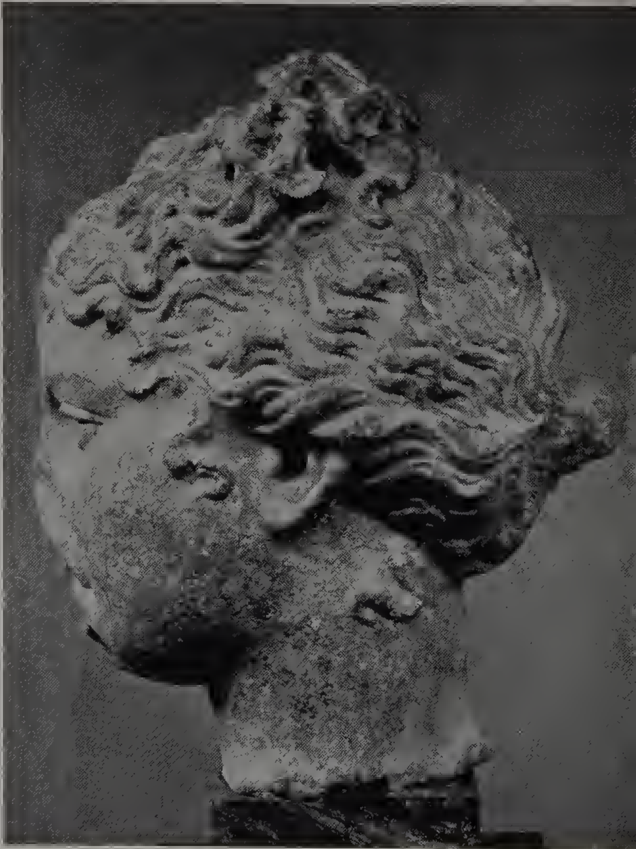


Fig. 540. Modern forgery. Side view of Fig. 539

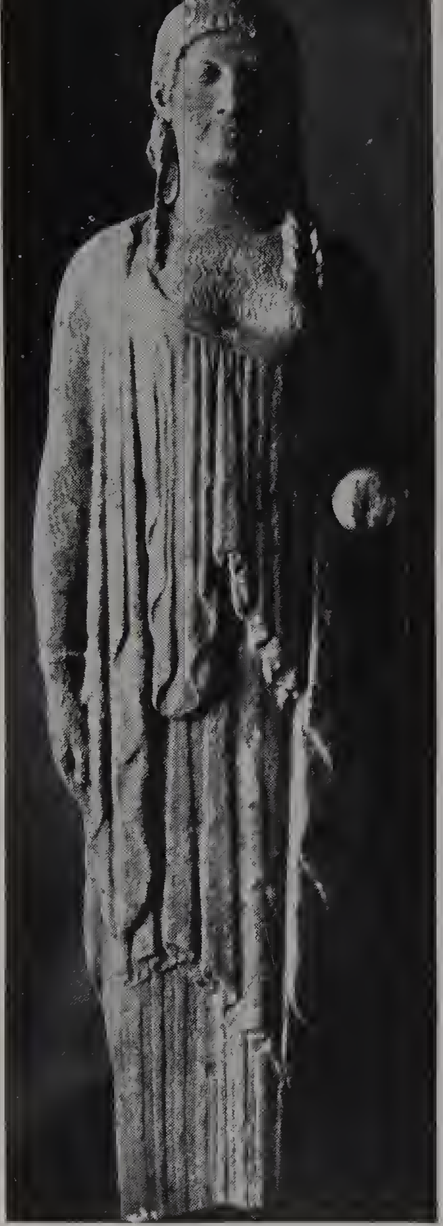


Fig. 541. Modern forgery of an archaic maiden (cf. p. 186)

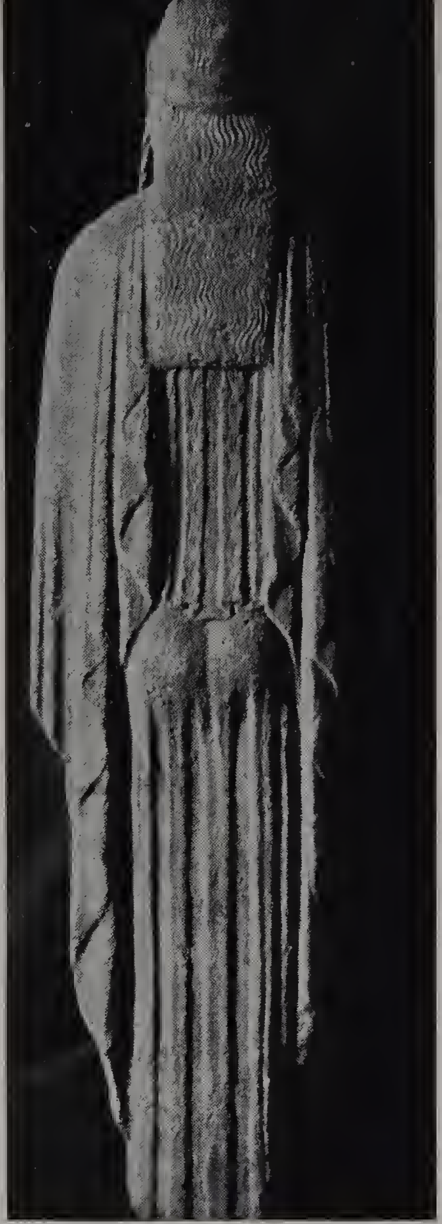


Fig. 542. Back view of Fig. 541

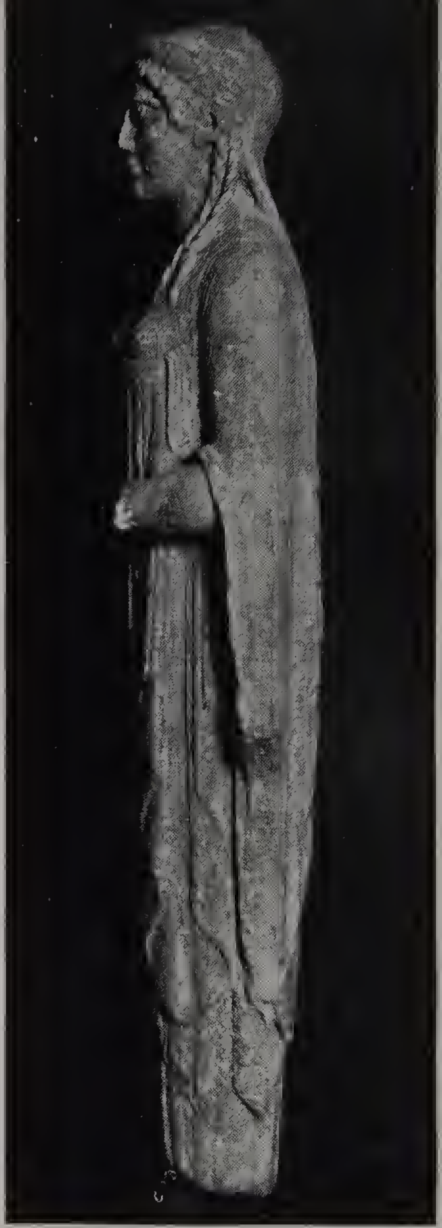


Fig. 543. Side view of Fig. 541

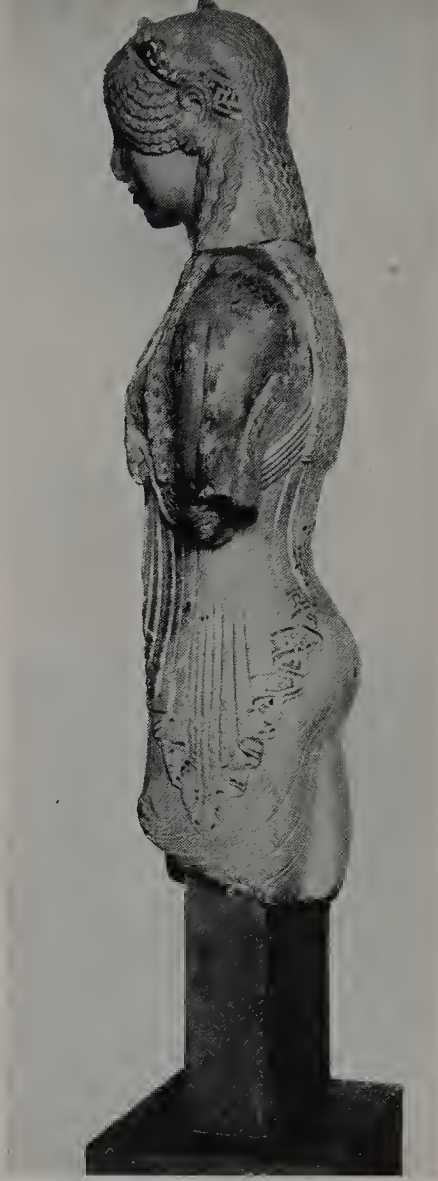


Fig. 544. Side view of the archaic Kore, No. 674 (from a cast)

Akropolis Museum, Athens

(Cf. pp. 91, 186)

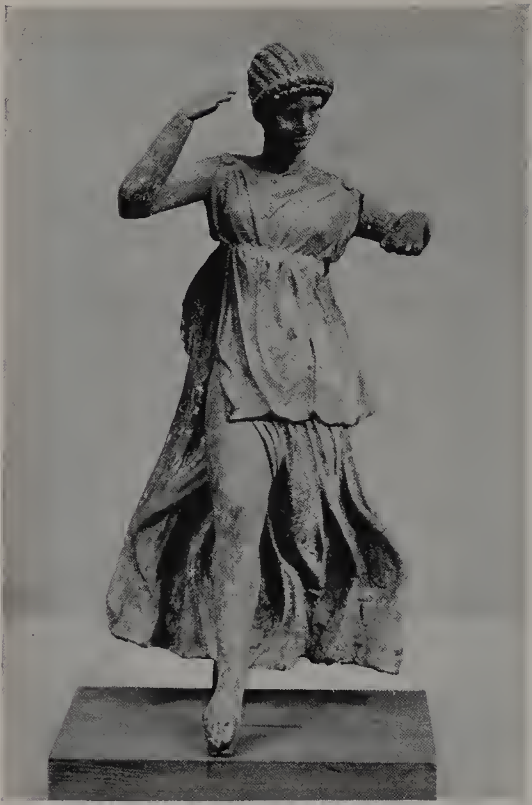


Fig. 545. Greek terracotta statuette of Nike
Metropolitan Museum of Art
(Cf. p. 186)

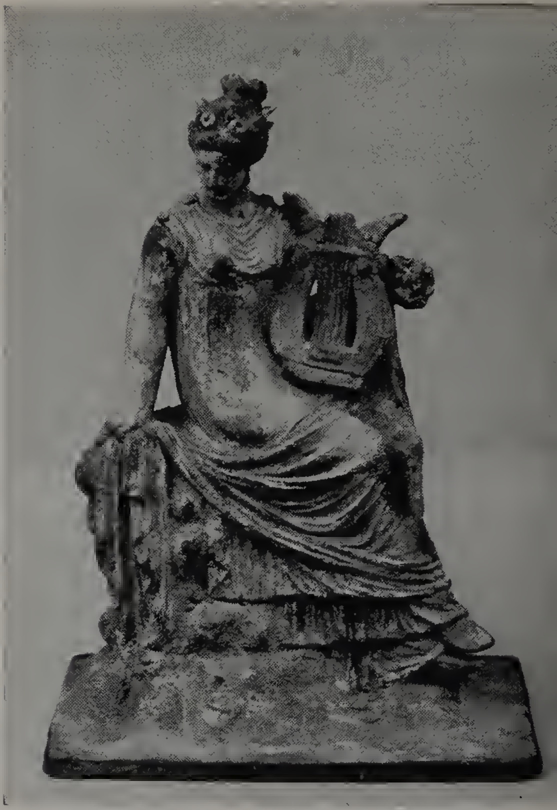


Fig. 546. Modern forgery of a Greek terracotta statuette
Metropolitan Museum of Art
(Cf. p. 186)

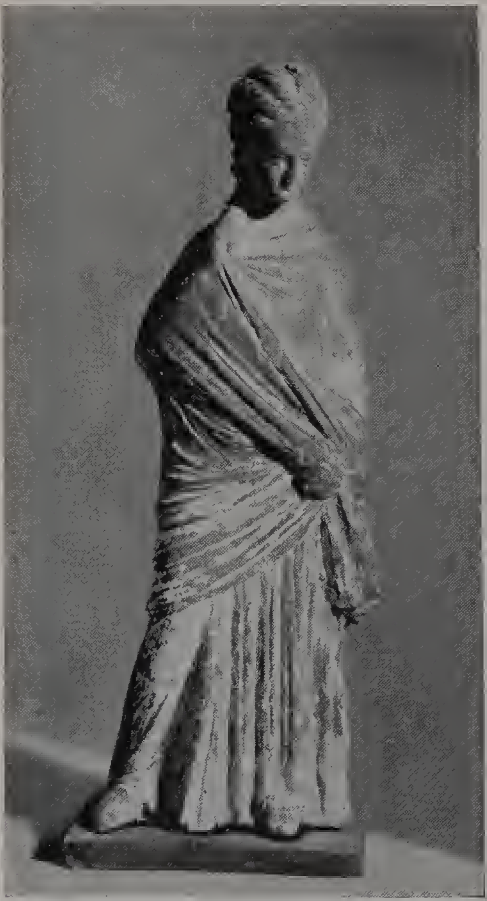


Fig. 547. Greek terracotta statuette of a girl
Metropolitan Museum of Art
(Cf. p. 187)

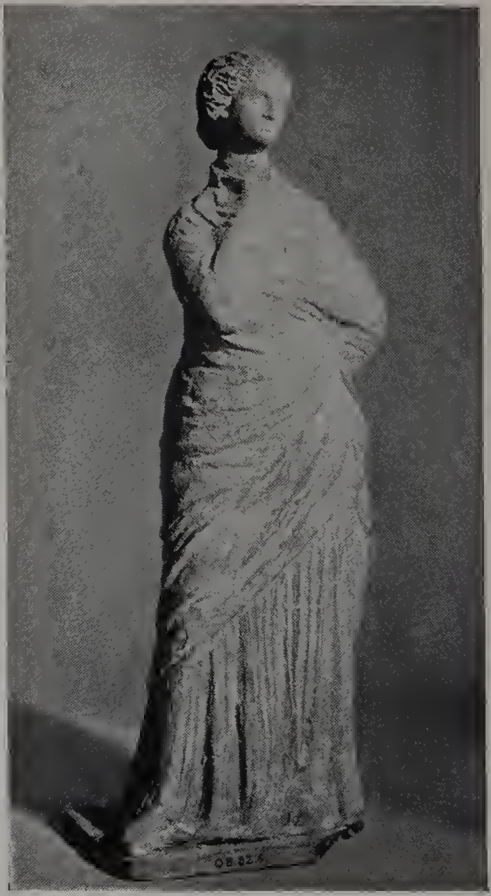


Fig. 548. Modern forgery of a Greek terracotta statuette
Metropolitan Museum of Art
(Cf. p. 187)

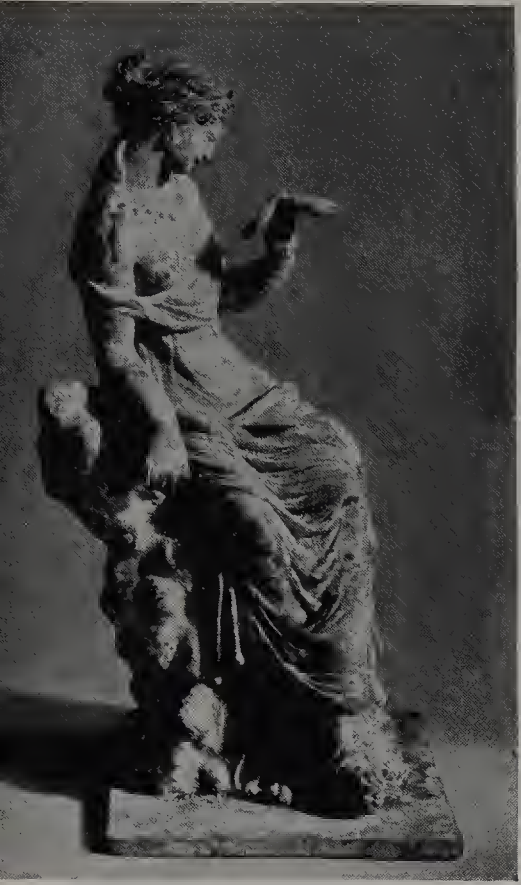


Fig. 549. Modern forgery of a Greek terracotta statuette (cf. p. 187)
Metropolitan Museum of Art

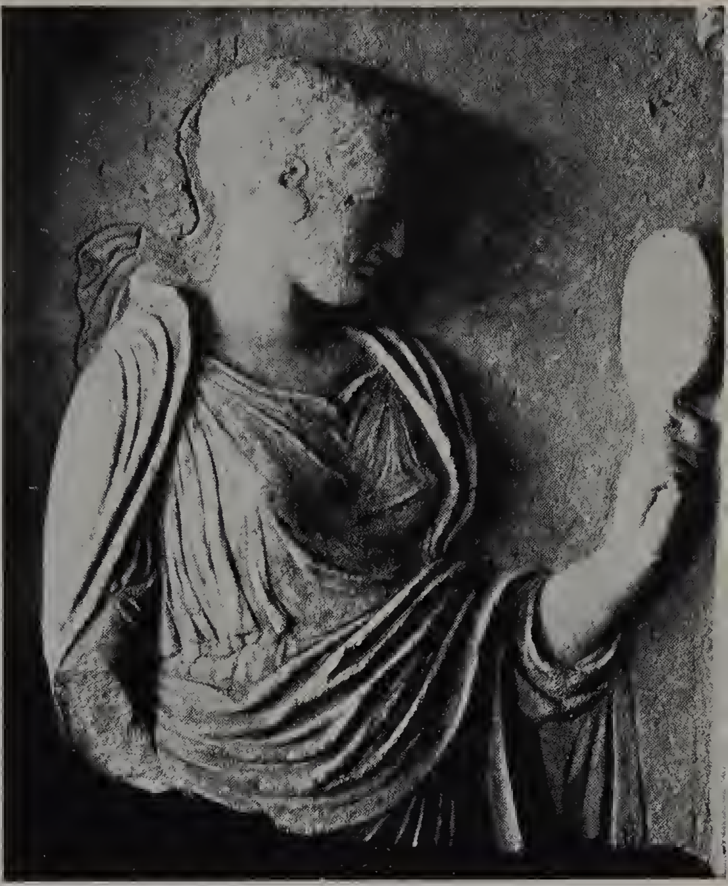


Fig. 550. Greek stele of a girl with mirror
Museum of Fine Arts, Boston
(Cf. p. 187)

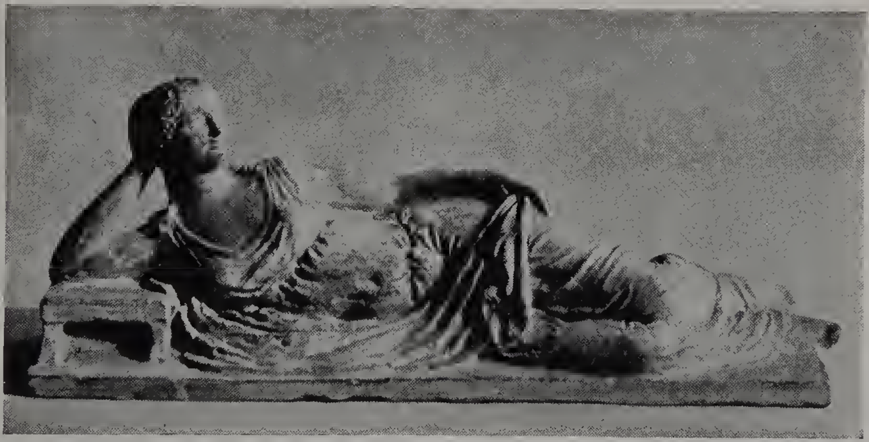


Fig. 551. Modern forgery of a Greek terracotta statuette (cf. p. 187)
Metropolitan Museum of Art

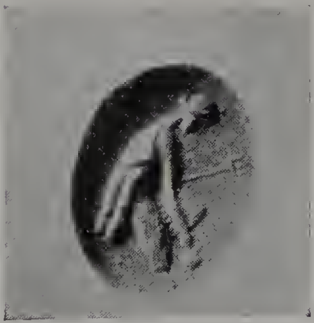


Fig. 552. Amymone, Greek engraved sardonyx
Staatliche Museen, Berlin
(Cf. p. 187)

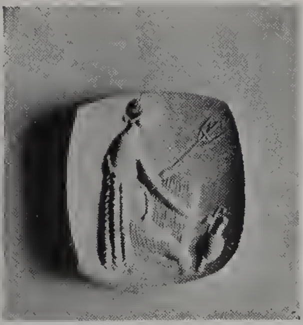


Fig. 553. Amymone, modern engraved carnelian
Metropolitan Museum of Art
(Cf. p. 187)

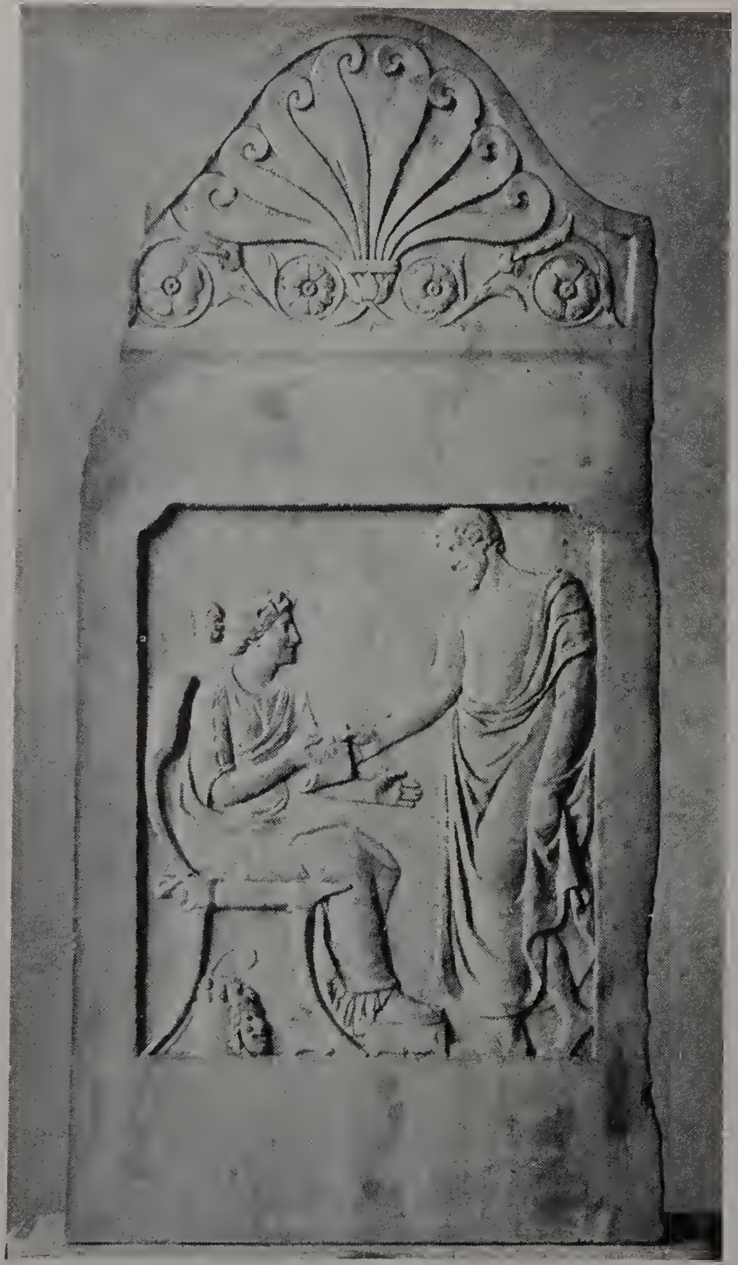


Fig. 554. Modern forgery of a Greek stele

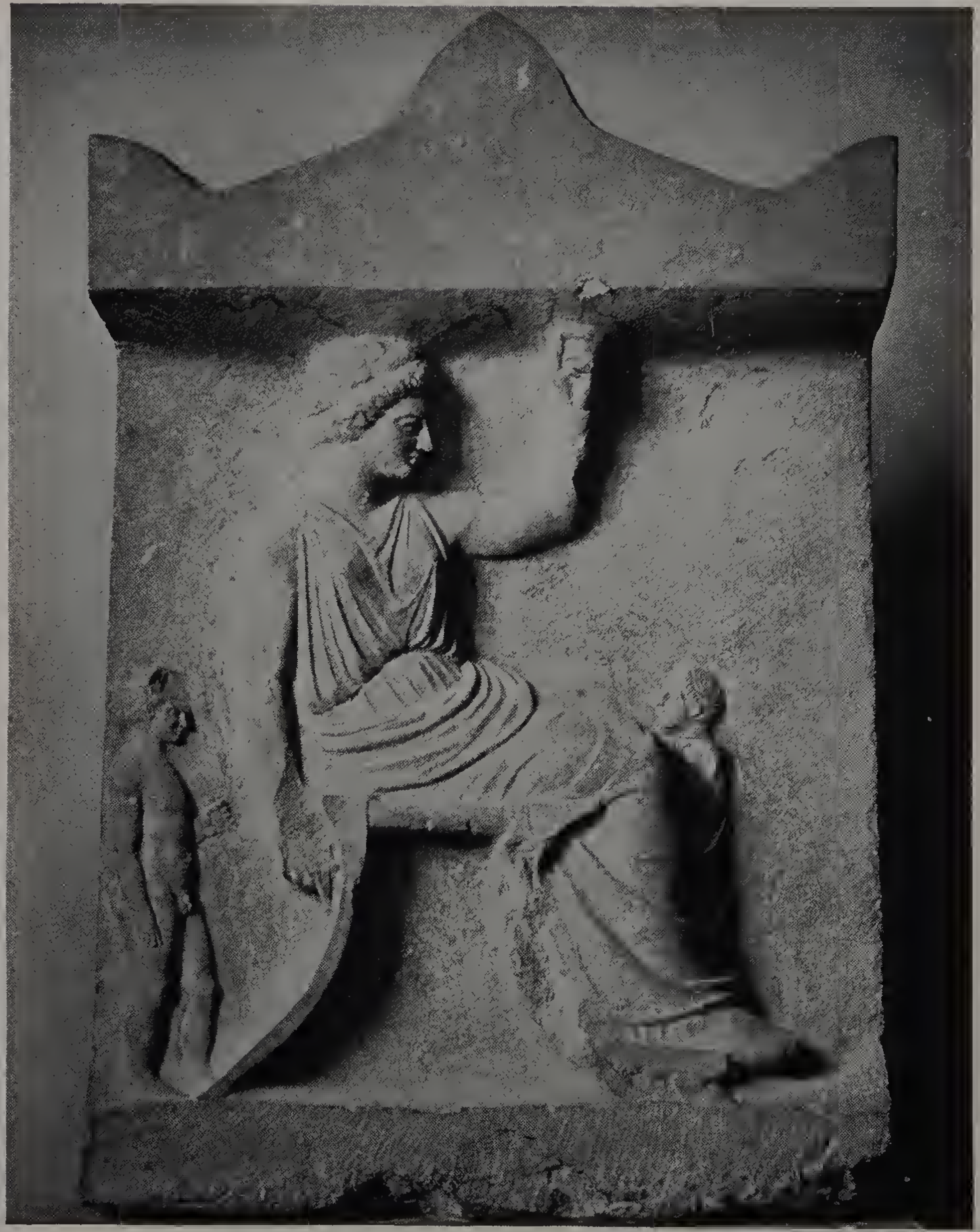


Fig. 555. Modern forgery of a Greek stele

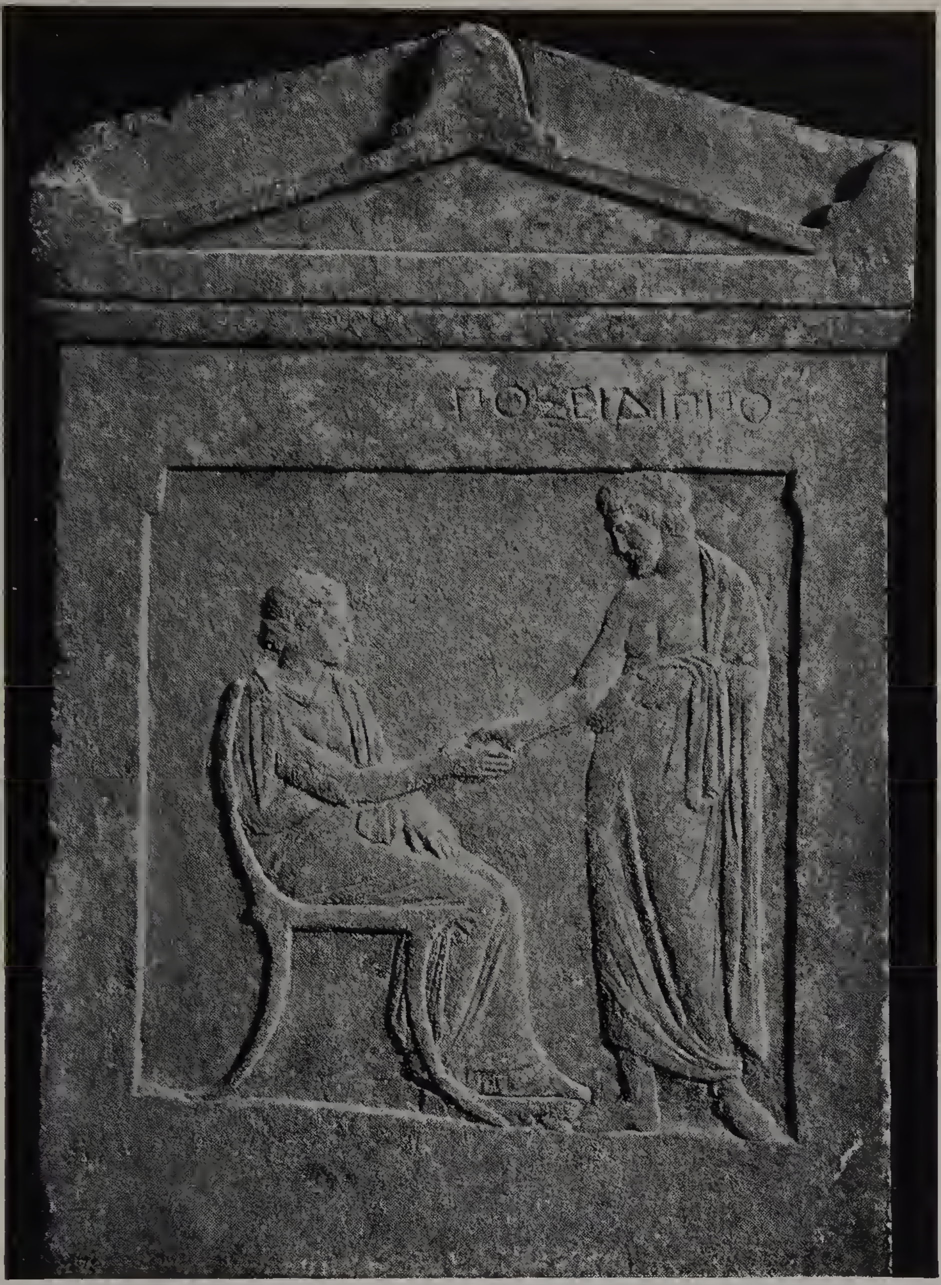


Fig. 556. Modern forgery of a Greek stele (cf. p. 188)

Barracco Museum, Rome

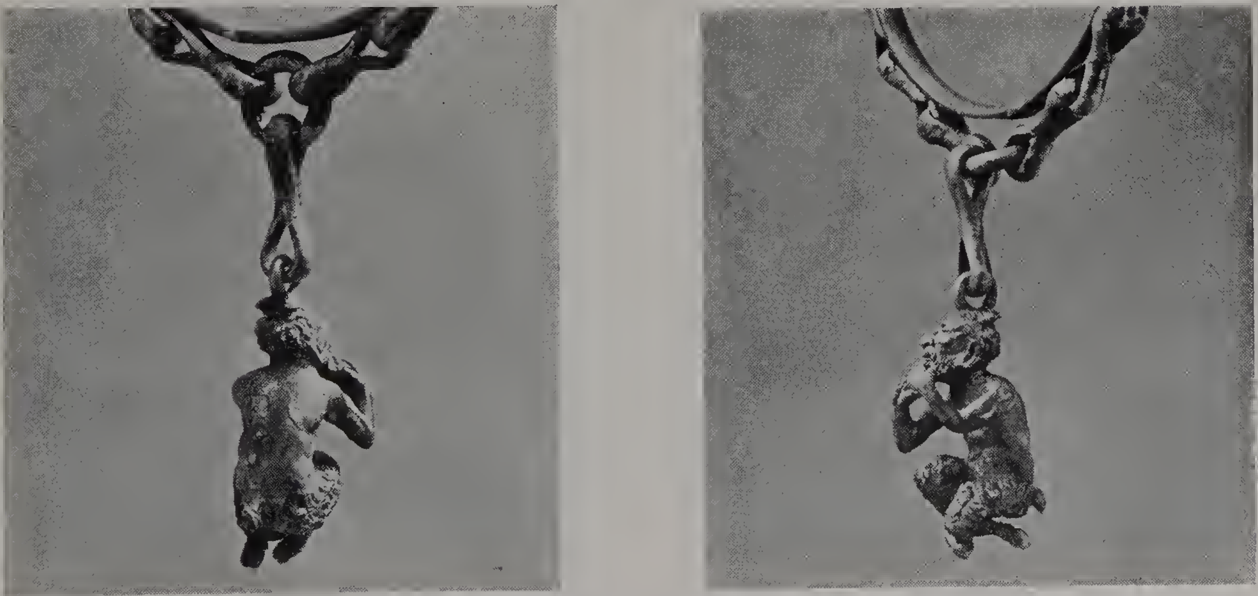


Fig. 557a

Fig. 557b

Fig. 557. Pendant of the Greek bracelet shown in Fig. 558 (cf. p. 191)

Metropolitan Museum of Art

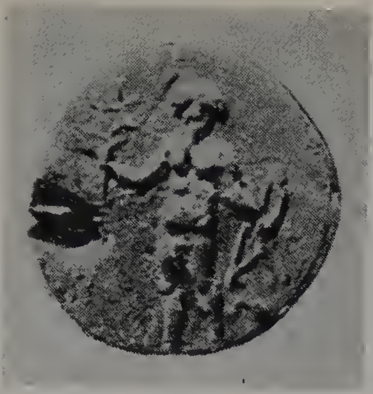


Fig. 560. Apollo, perhaps by Kalamis, on a coin of Apollonia (enlarged)
Staatliche Museen, Berlin
(Cf. p. 203)

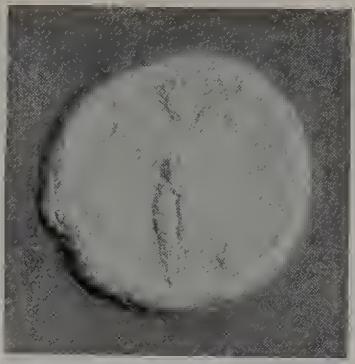


Fig. 561. Hermes Kriophoros perhaps by Kalamis, on a Roman coin of Tanagra (from a cast, enlarged)
British Museum, London
(Cf. p. 203)

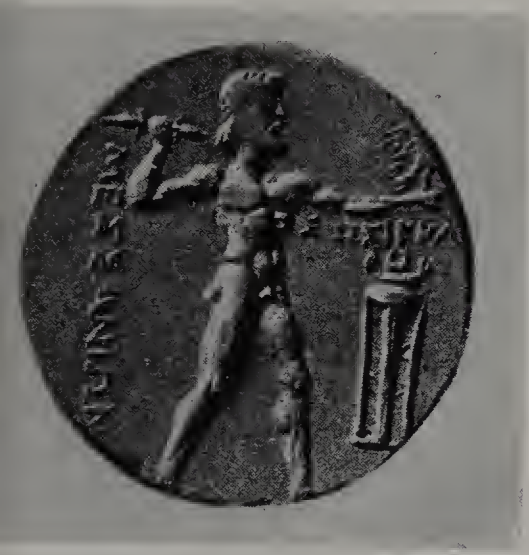


Fig. 562. Zeus, perhaps by Ageladas on a coin of Messene, enlarged
British Museum, London
(Cf. p. 196)

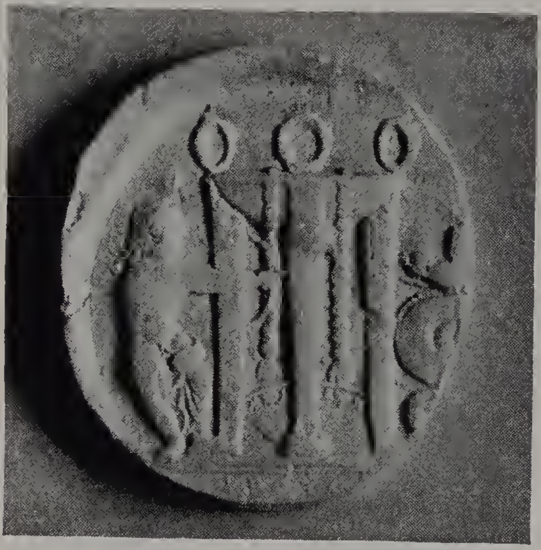


Fig. 563. Apollo killing the serpent, on a coin of Kroton (from a cast, enlarged)
Staatliche Museen, Berlin
(Cf. p. 201)

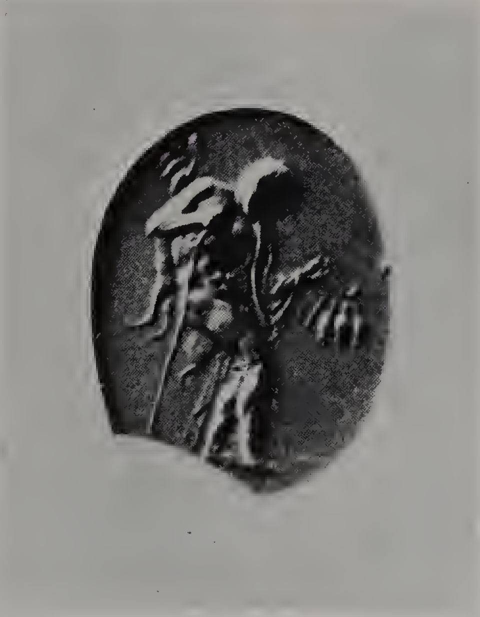


Fig. 564. Philoktetes, on an engraved agate (from an impression, enlarged)
The Louvre, Paris
(Cf. p. 201)

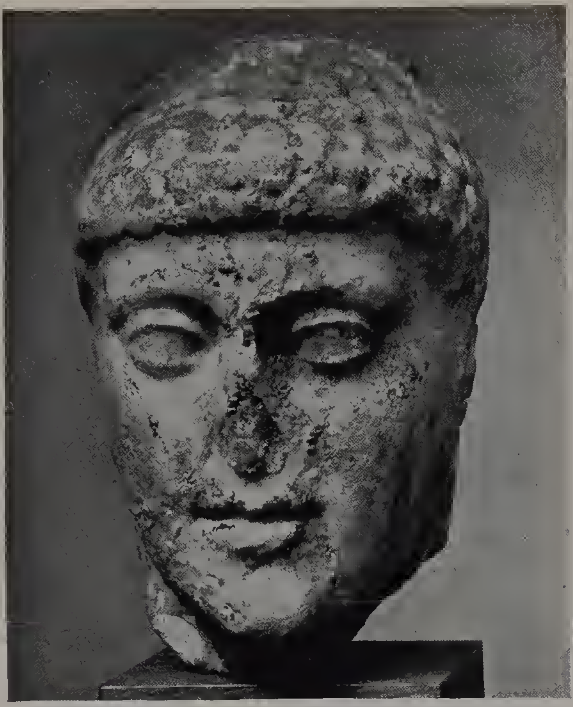


Fig. 565. Marble head of Harmodios
Metropolitan Museum of Art
(Cf. p. 198)

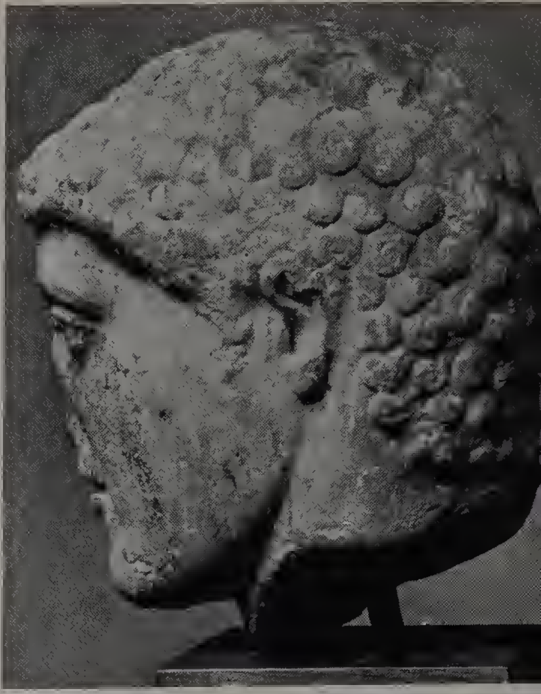


Fig. 566. Side view of Fig. 565

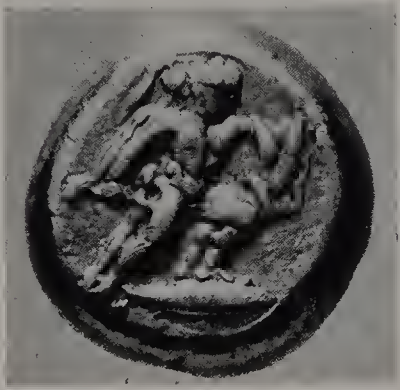


Fig. 567. Tyrannicide group
on a coin of Kyzikos, enlarged
E. T. Newell Collection, New York
(Cf. p. 199)

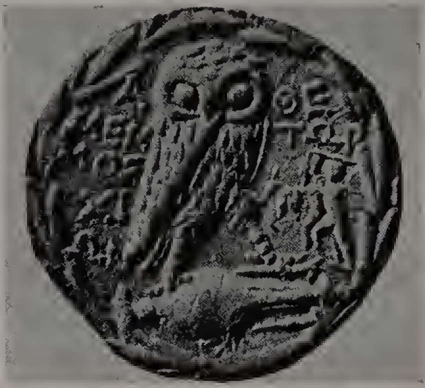


Fig. 568. Tyrannicide group
on a coin of Athens, enlarged
British Museum, London
(Cf. p. 196)

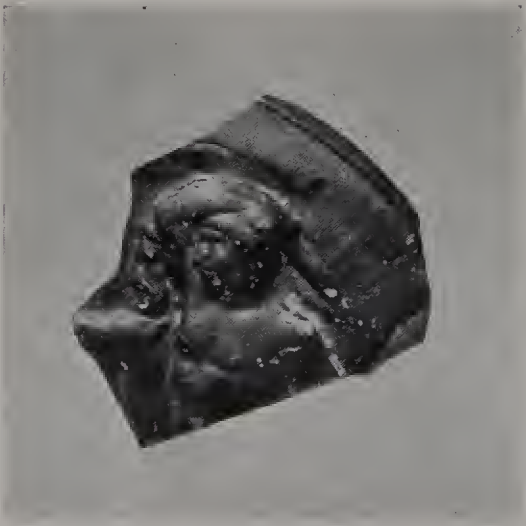


Fig. 569. Tyrannicide group
on a fragment of a
lamp-feeder
E. T. Newell Collection, New York
(Cf. p. 198)

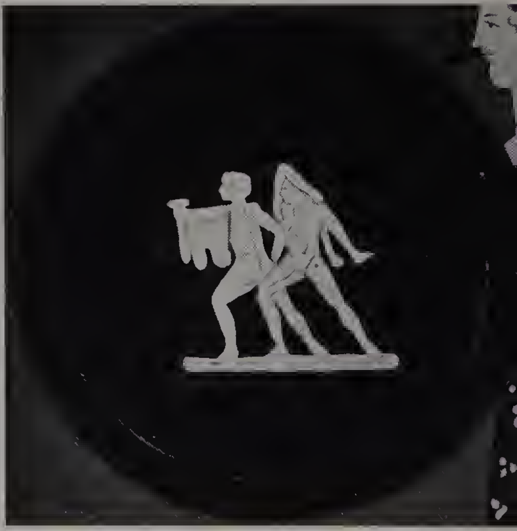


Fig. 570. Tyrannicide group
shield device on a Panathe-
naic vase
British Museum, London
(Cf. p. 198)

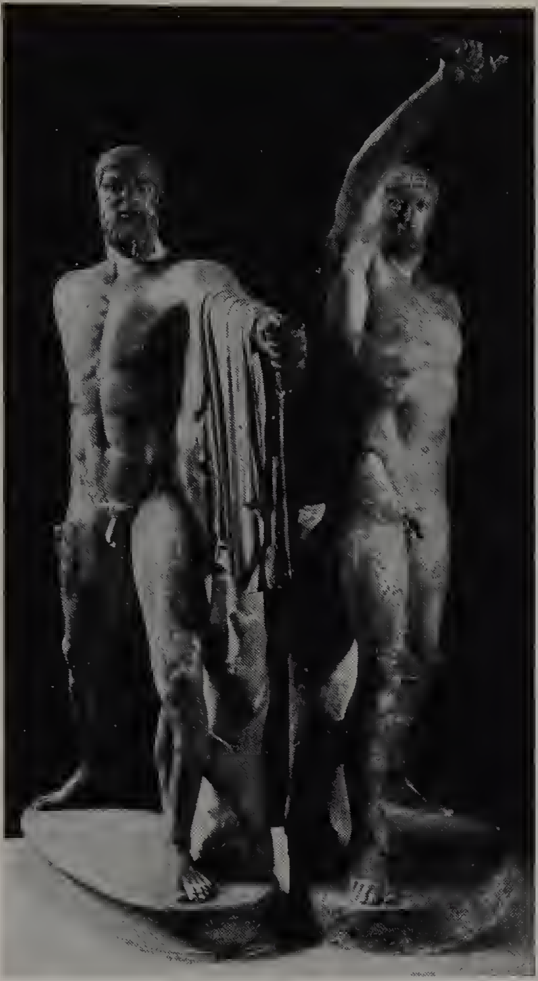


Fig. 571. Group of the Tyrannicides
Museo Nazionale, Naples
(Cf. p. 198)

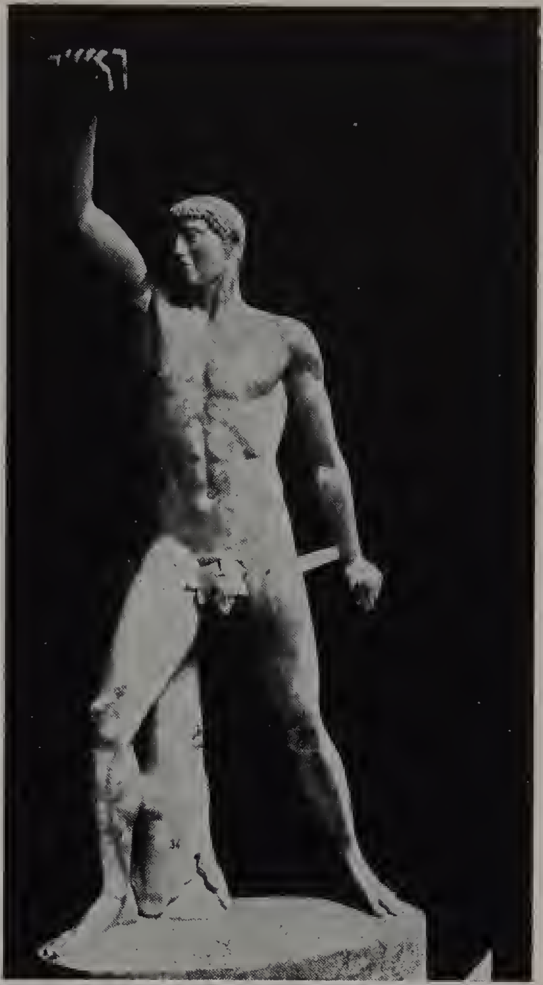


Fig. 572. Harmodios
Museo Nazionale, Naples
(Cf. p. 198)

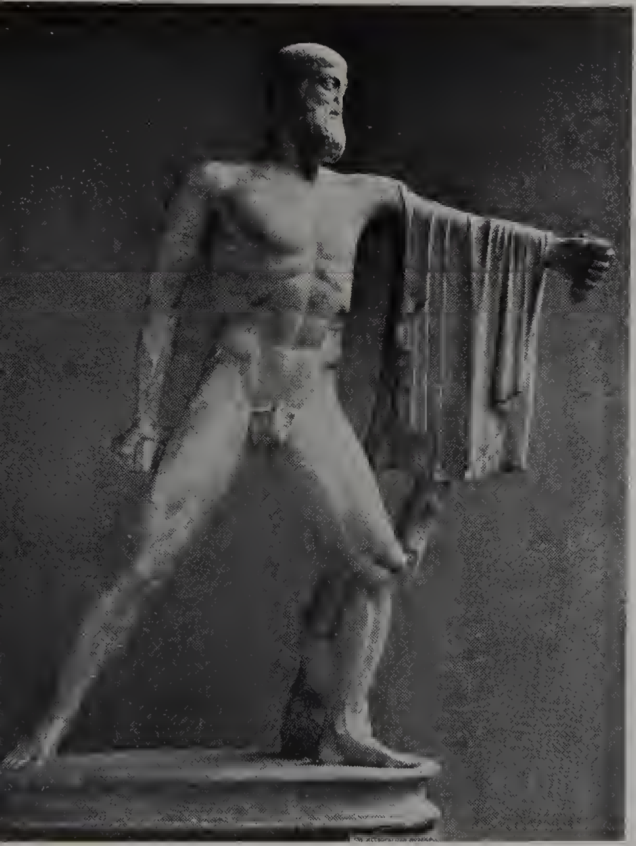


Fig. 573. Aristogeiton, Museo Nazionale, Naples
with the cast of the head in the
Vatican, Rome (from a cast)
(Cf. pp. 96, 198)

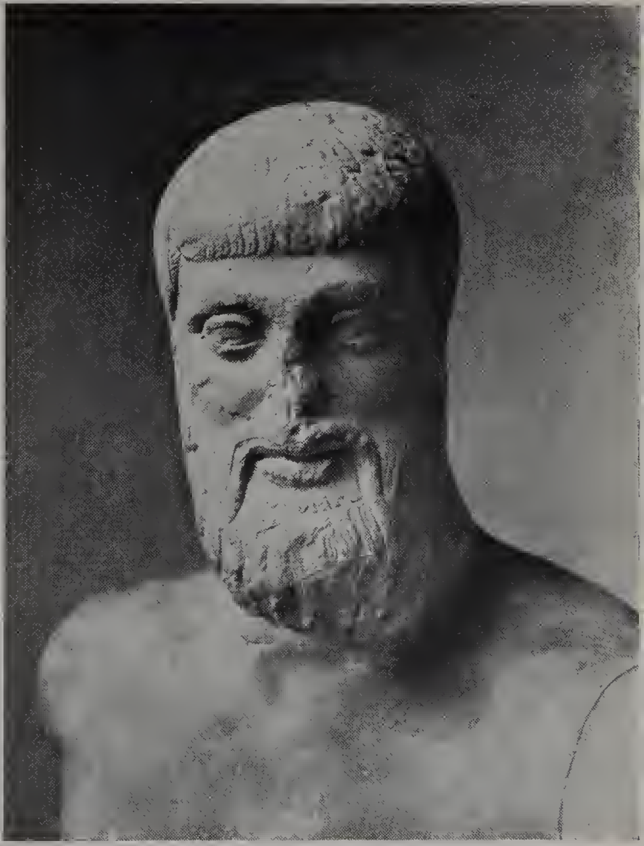
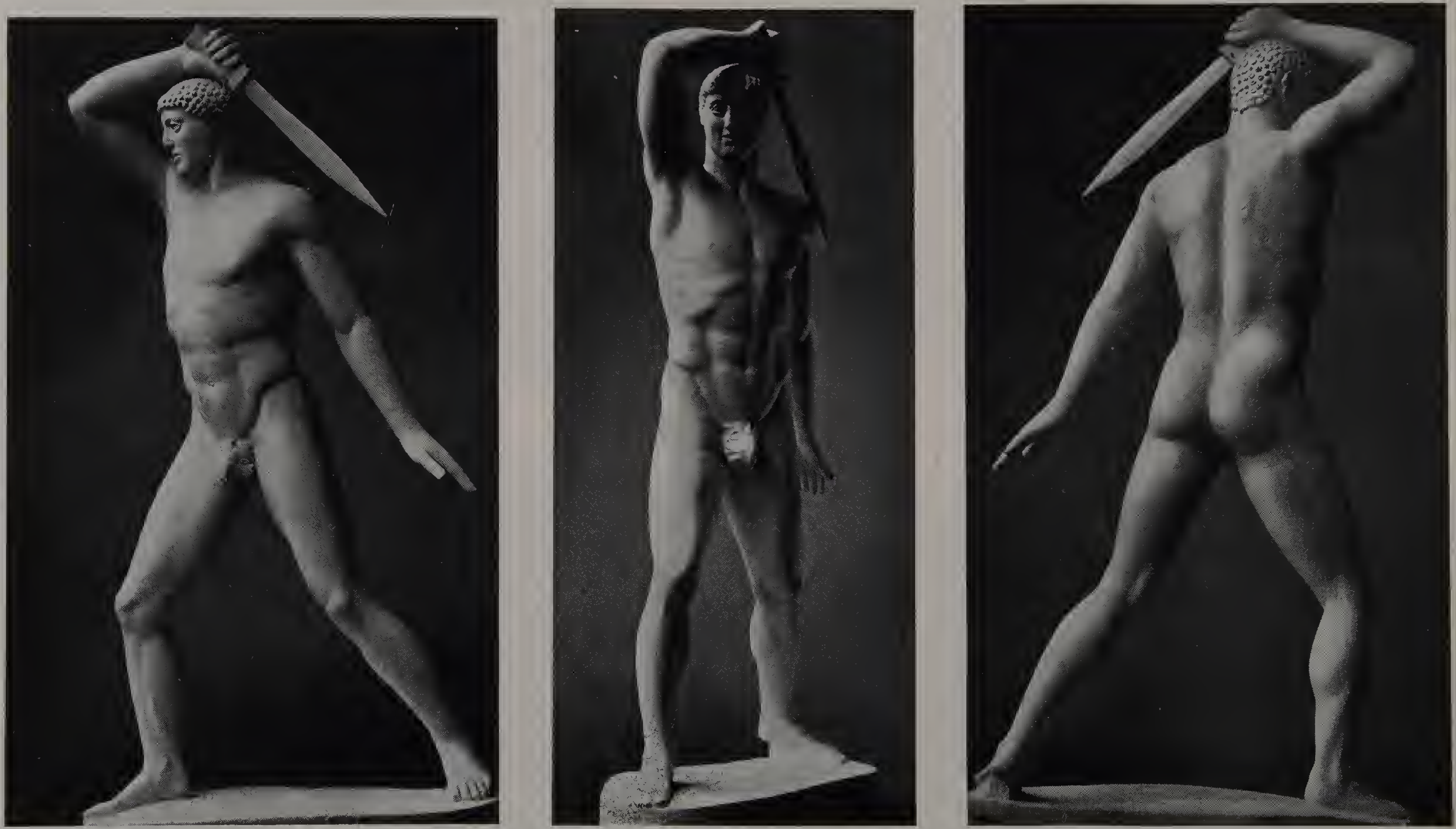


Fig. 574. Head of Aristogeiton (from a cast)
The Vatican, Rome
(Cf. p. 198)



Figs. 575–577. Reconstructed cast of Harmodios

Metropolitan Museum of Art

(Cf. pp. 65, 198)

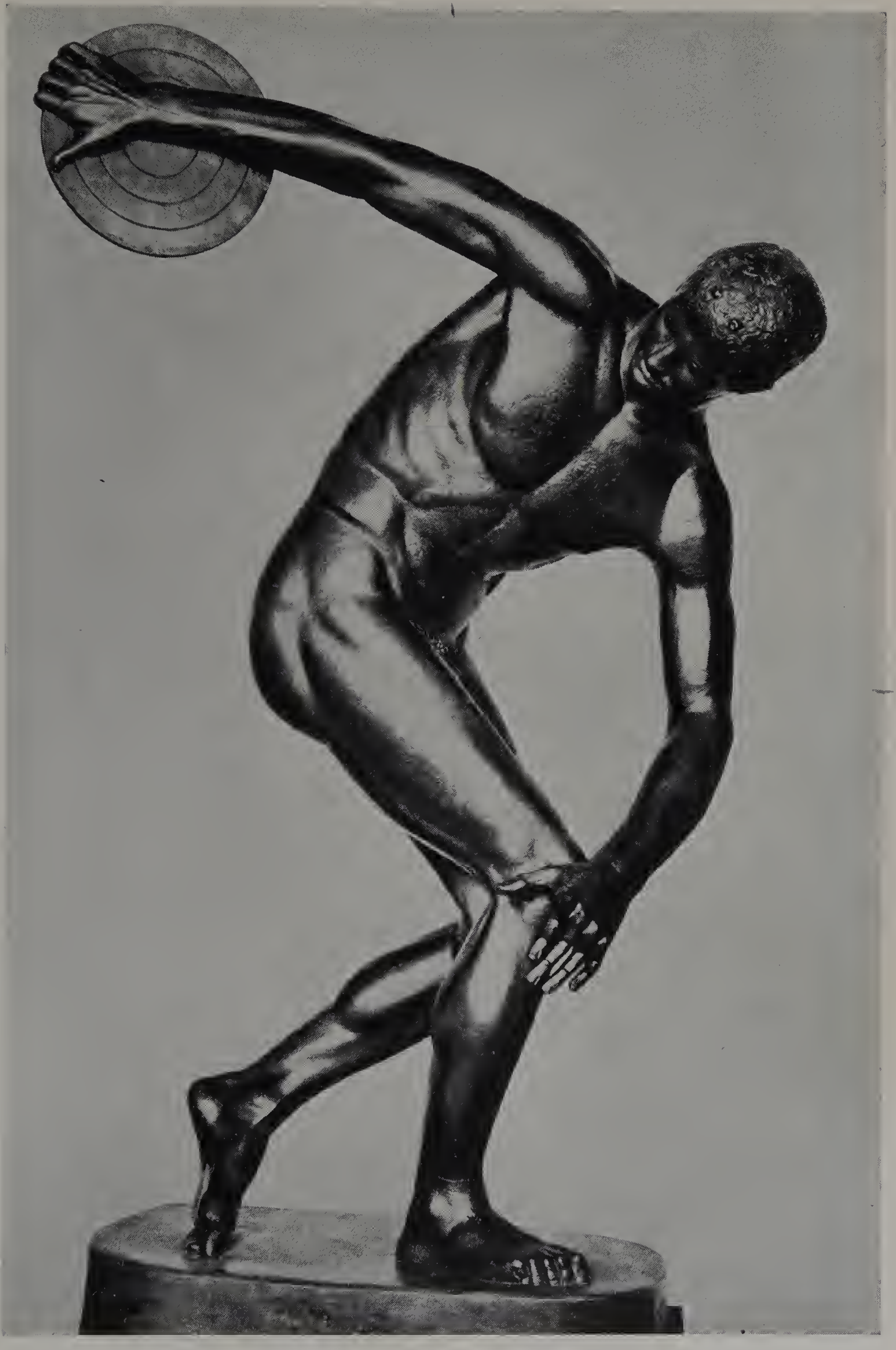


Fig. 578. Diskobolos (from a composite cast)

(Cf pp. 70, 205)

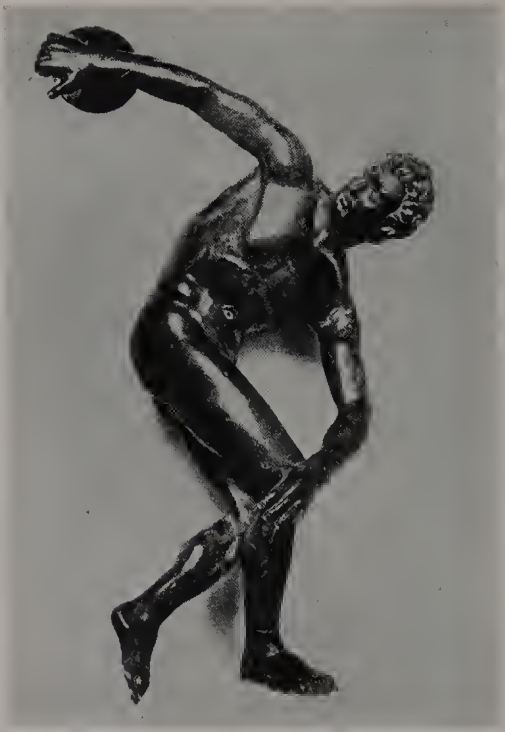


Fig. 579. Bronze statuette of a diskobolos

Museum für antike Kleinkunst, Munich

(Cf. p. 206)

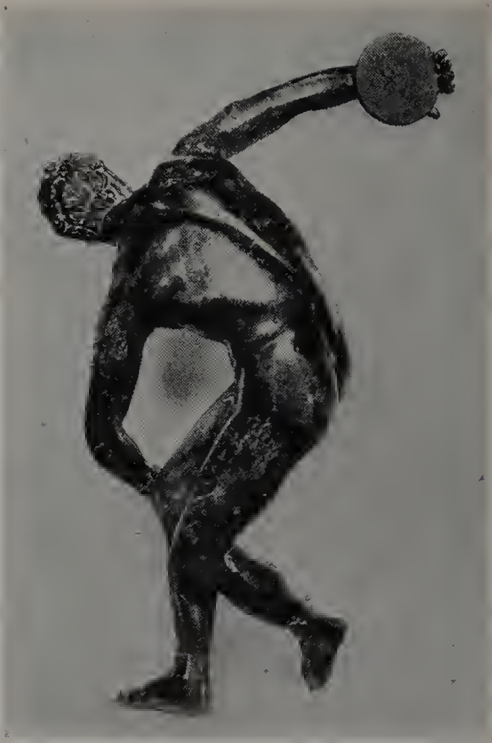
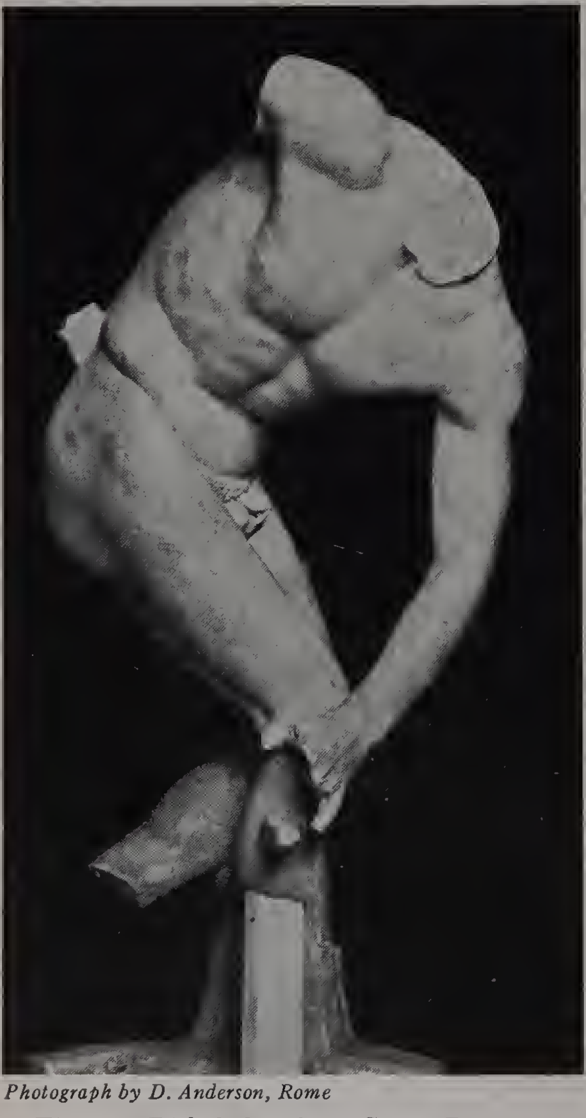


Fig. 580. Back view of Fig. 579



Photograph by D. Anderson, Rome

Fig. 581. Diskobolos, from Castel Porziano

Museo Nazionale delle Terme, Rome

(Cf. p. 206)

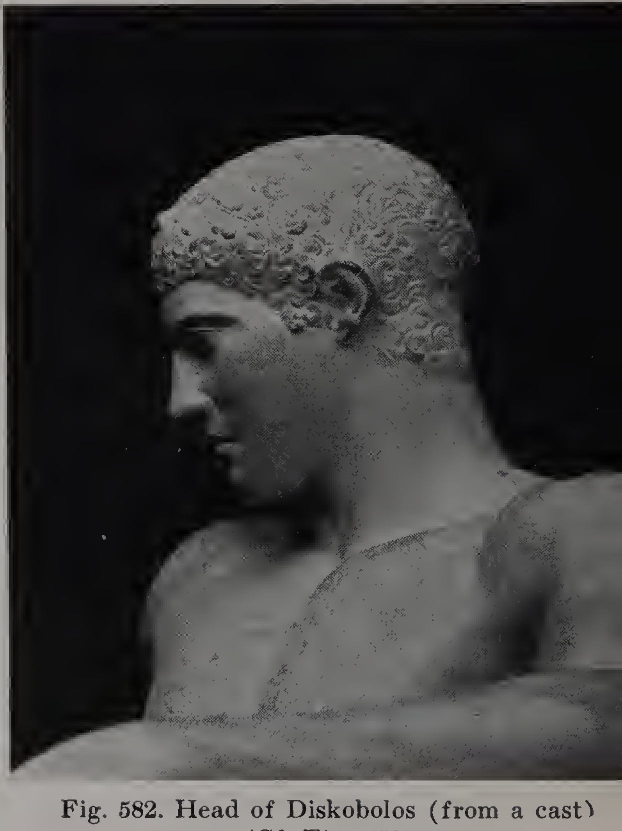


Fig. 582. Head of Diskobolos (from a cast)
(Cf. Fig. 578)

Lancellotti Palace, Rome

(Cf. p. 205)

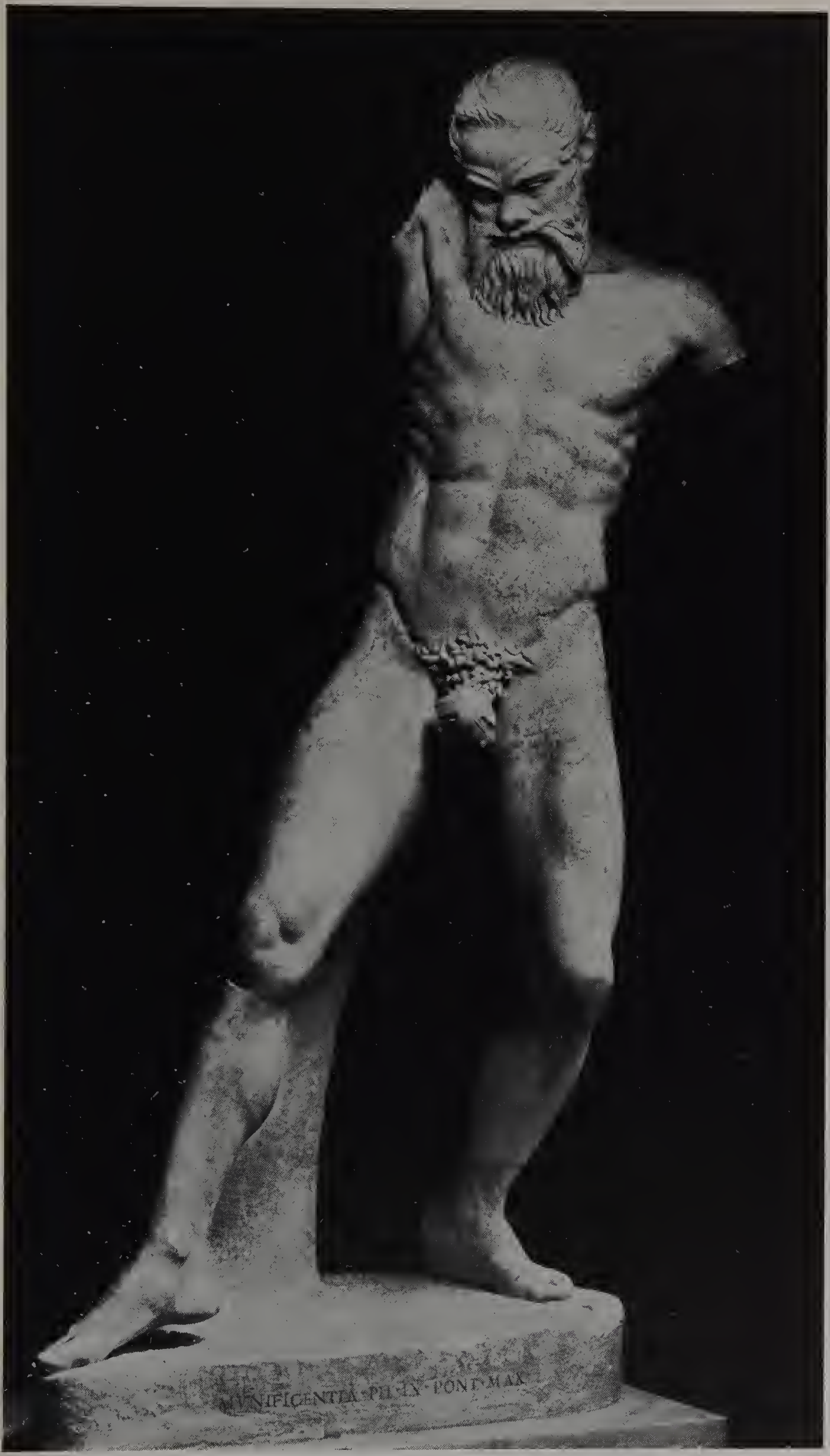

MVNIFICENTIA·PII·IX·PONT·MAX

Fig. 584. Marsyas, Roman copy of a work by Myron

The Lateran, Rome

(Cf. pp. 70, 207)

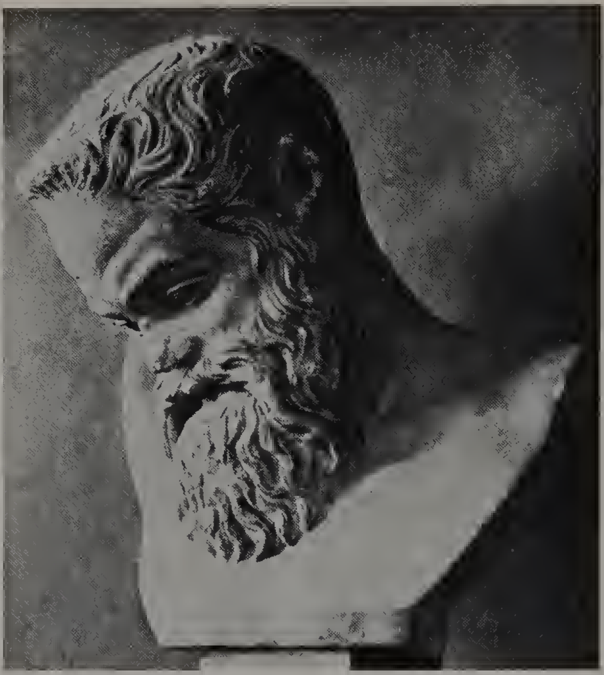


Fig. 585. Head of Marsyas

Barracco Museum, Rome

(Cf. p 207)

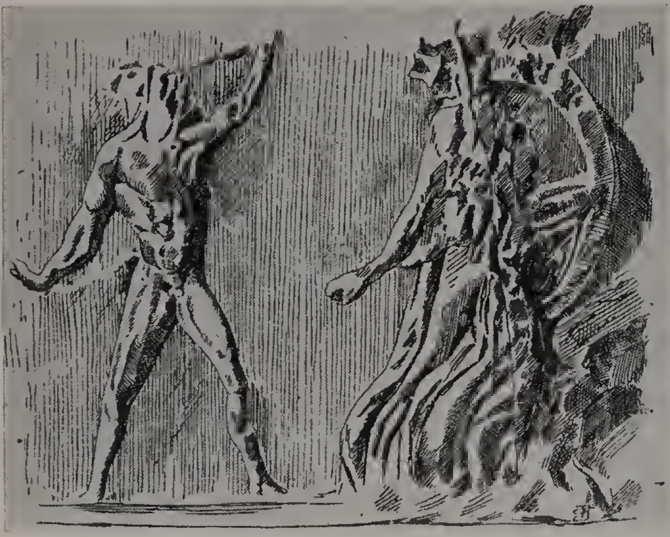


Fig. 586. Athena and Marsyas, detail of a marble vase from Athens

National Museum, Athens

(Cf. p. 207)

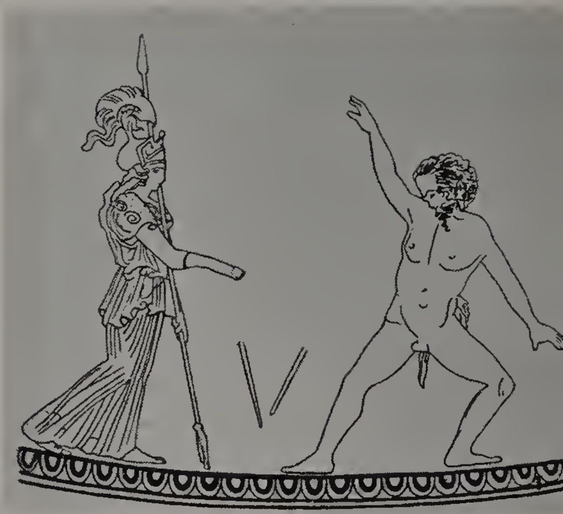


Fig. 587. Athena and Marsyas, from a red-figured oinochoë

Staatliche Museen, Berlin

(Cf. p. 207)

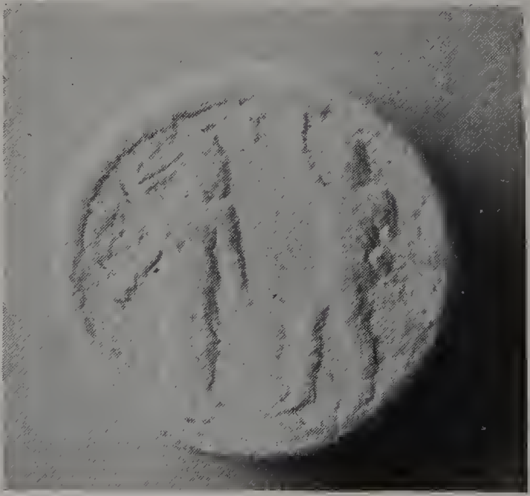
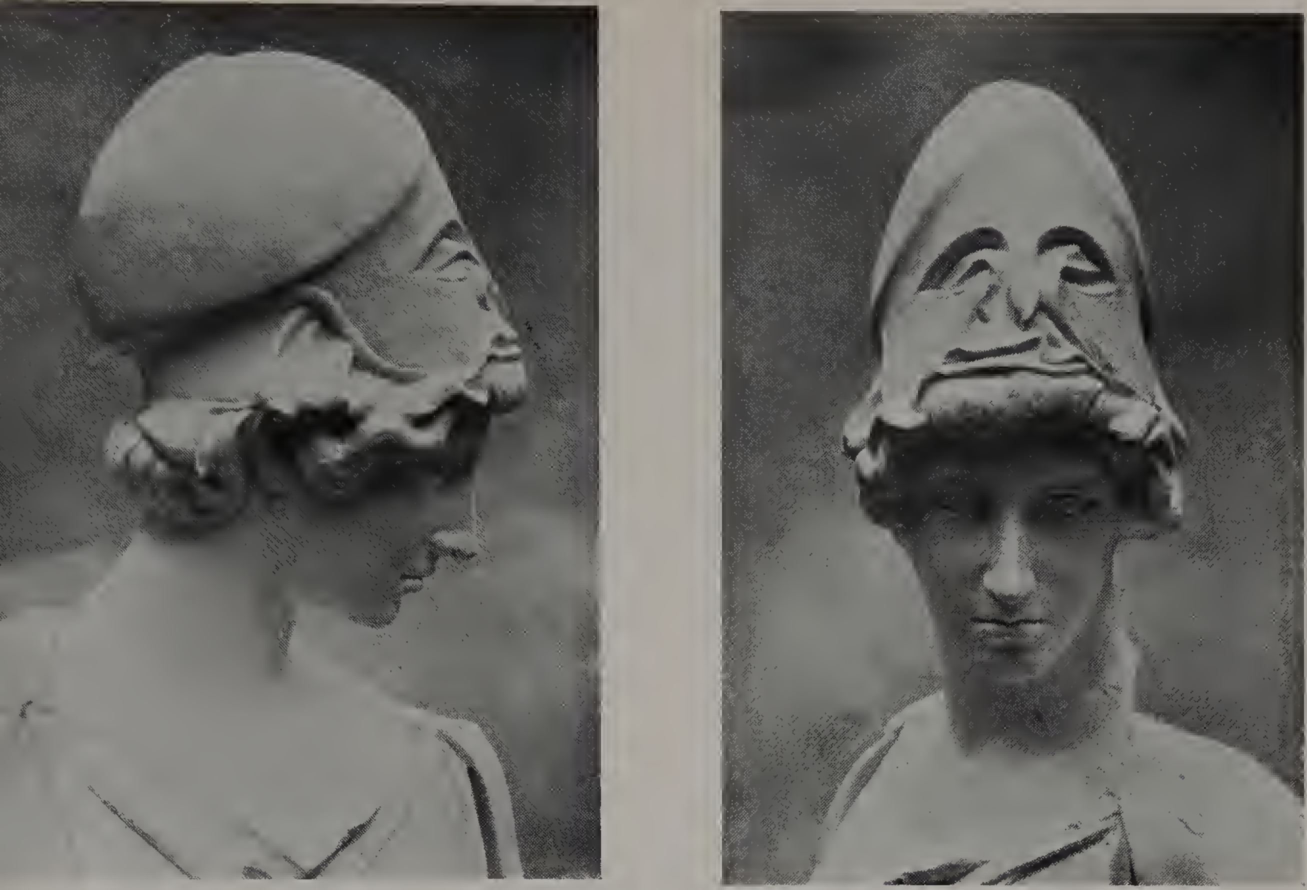


Fig. 588. Athena and Marsyas, on a coin of Athens (from a cast, enlarged)

Numismatic Museum, Athens

(Cf. p. 207)



Figs. 589 and 590. Head of Fig. 591 (from a cast)
Städtliche Skulpturensammlung, Frankfurt
(Cf. p. 207)

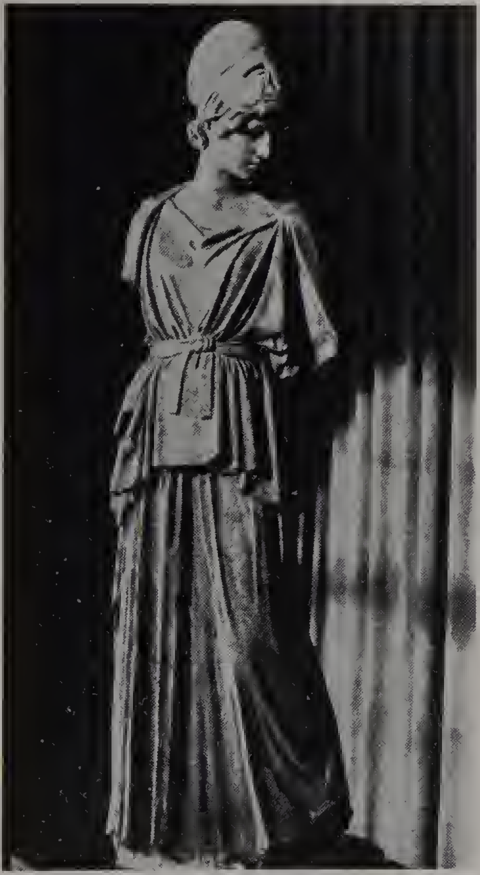
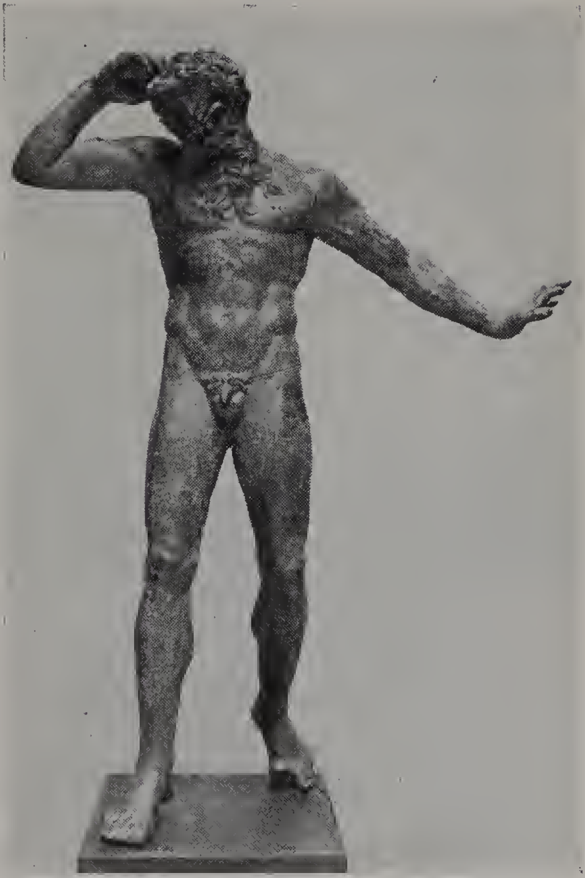


Fig. 591. Statue of Athena
Städtliche Skulpturensammlung, Frankfurt
(Cf. p. 207)



Photograph by W. F. Mansell

Fig. 592. Bronze statuette of Marsyas
British Museum, London
(Cf. p. 207)

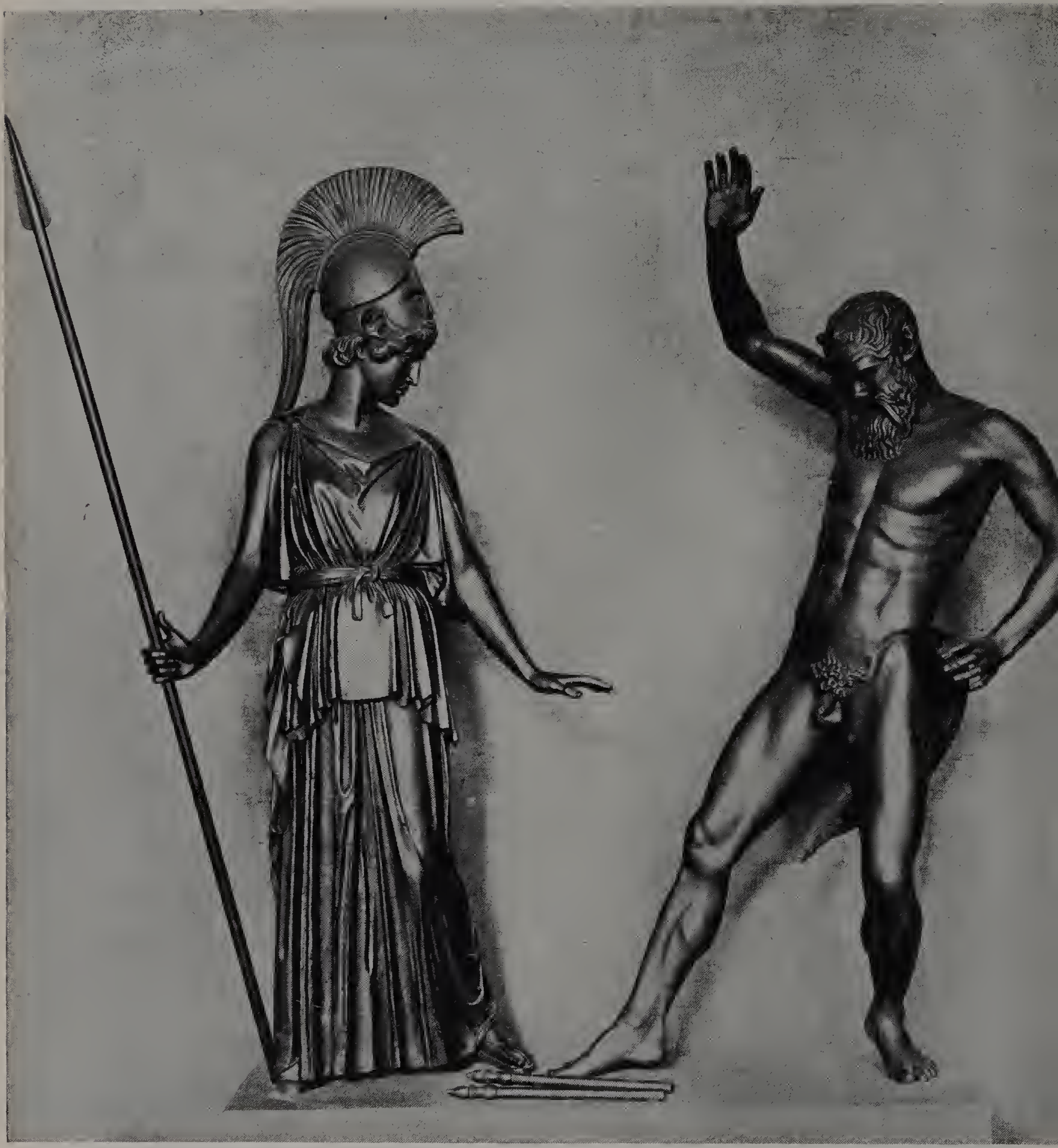


Fig. 593. Athena and Marsyas, reconstruction of Myron's group, by Sieveking
(Cf. p. 208)

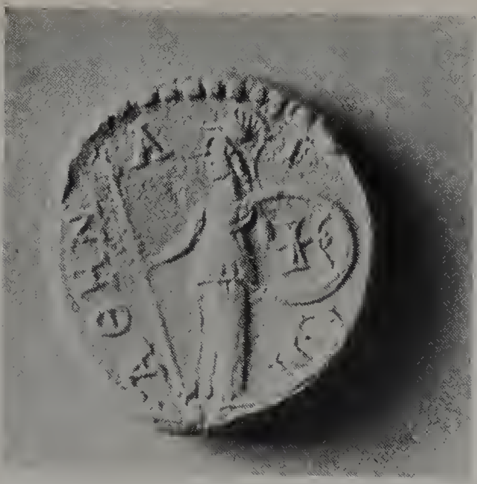


Fig. 594. "Athena Promachos," on a Roman coin of Athens (from a cast, enlarged)
British Museum, London
(Cf. p. 214)

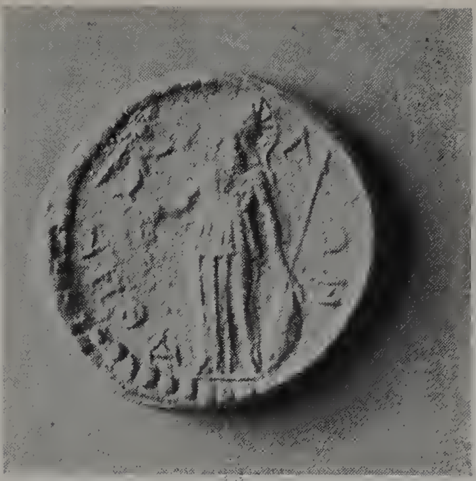


Fig. 595. Athena Parthenos, on a Roman coin of Athens (from a cast, enlarged)
British Museum, London
(Cf. p. 217)

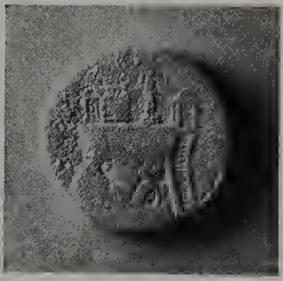


Fig. 596. "Athena Promachos" on the Akropolis, on a Roman coin of Athens (from a cast)
British Museum, London
(Cf. p. 215)

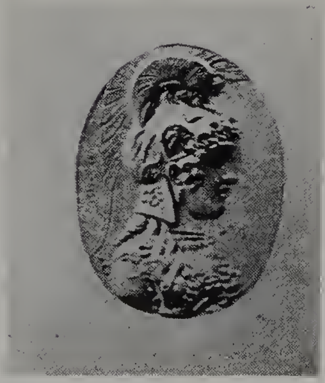


Fig. 597. Head of Athena Parthenos, on an engraved gem by Aspasios (from an impression)
Museo Nazionale delle Terme, Rome
(Cf. p. 217)

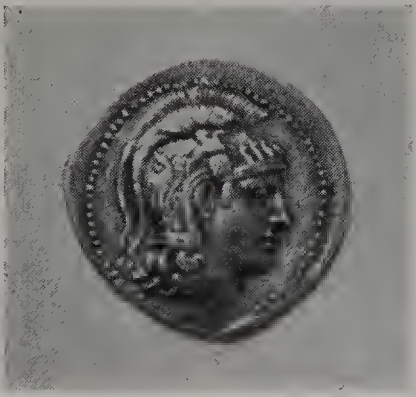
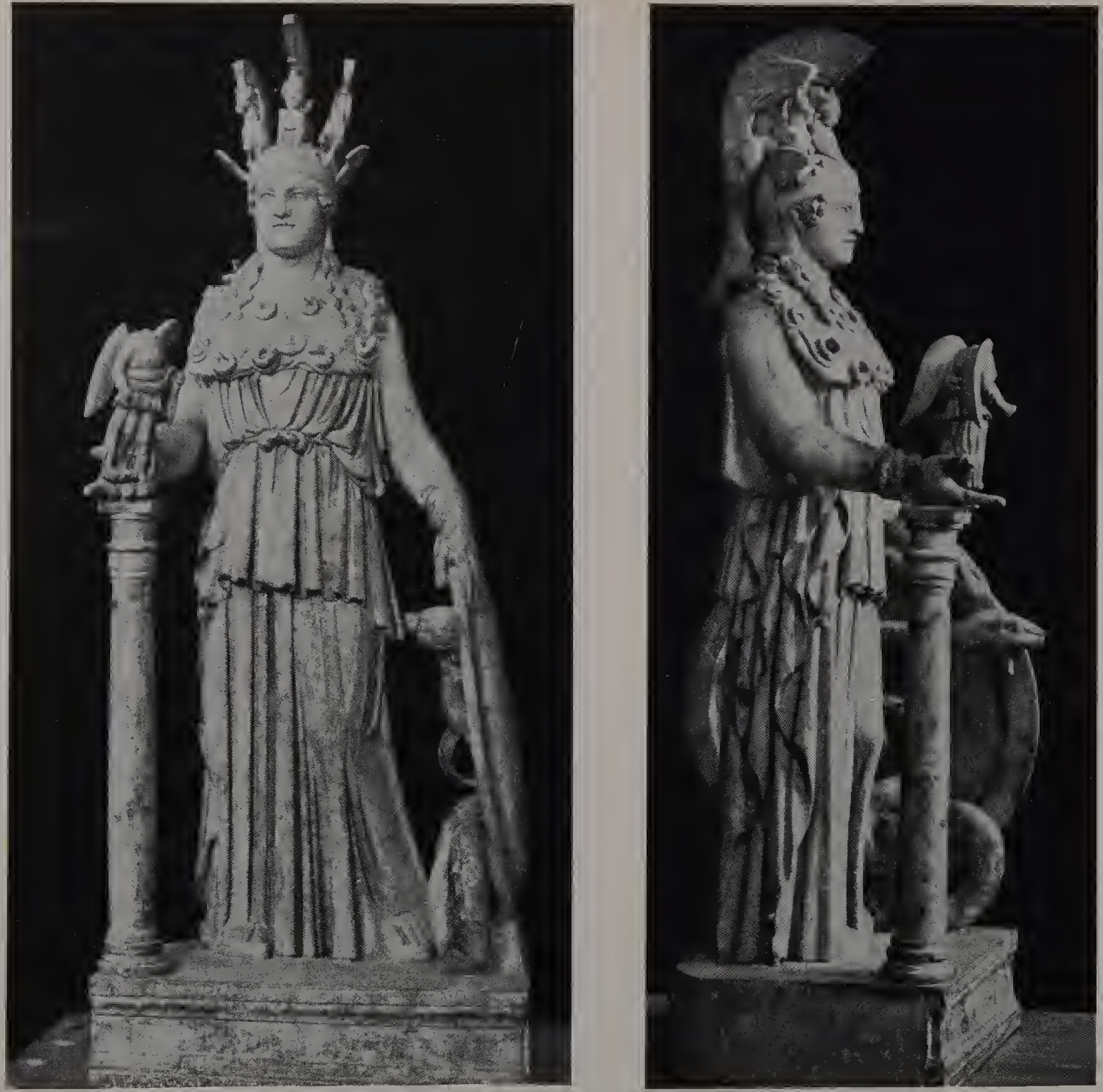


Fig. 598. Head of Athena Parthenos on a coin of Athens
E. T. Newell Collection, New York
(Cf. p. 217)



Figs. 599 and 600. "Varvakeion statuette" of the Athena Parthenos

National Museum, Athens

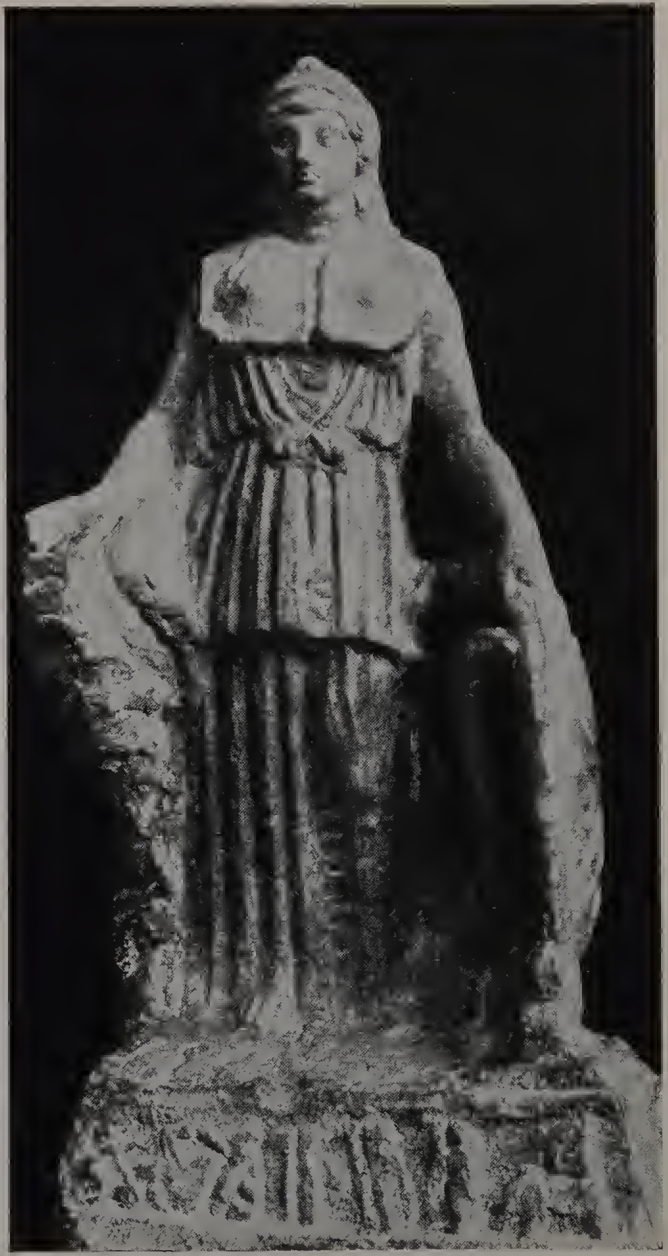


Fig. 601. "Lenormant statuette" of the Athena Parthenos

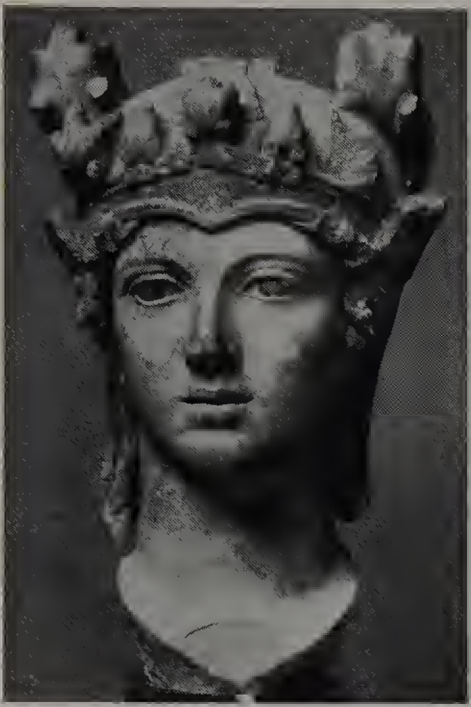


Fig. 602. Head of Athena Parthenos

Staatliche Museen, Berlin

(Cf. pp. 153, 216)

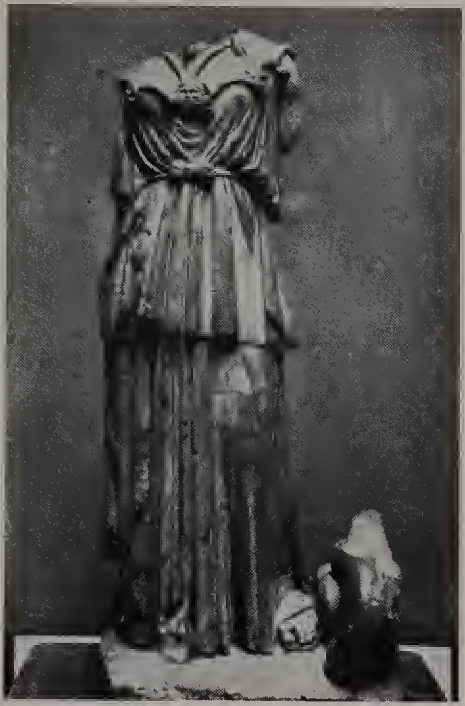


Fig. 603. Statuette of Athena Parthenos (from a cast)

Patras Museum

(Cf. p. 216)

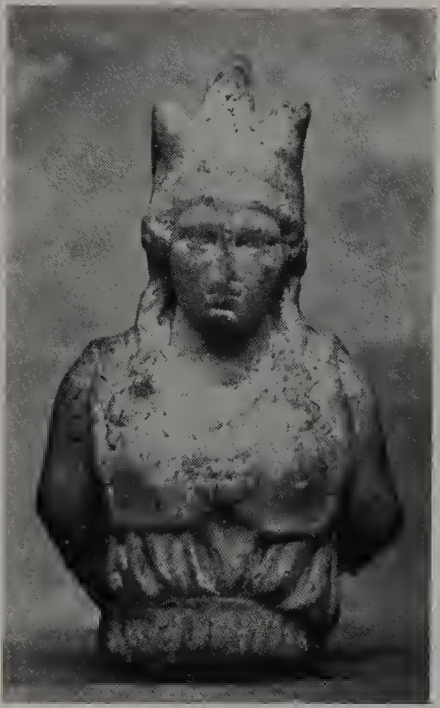


Fig. 604. Upper part of a statuette of the Athena Parthenos

Princeton University Museum, Princeton

(Cf. p. 216)

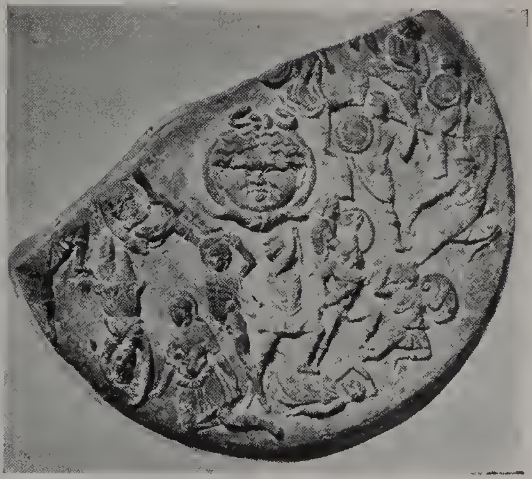


Fig. 605. The "Strangford Shield"

British Museum, London

(Cf. p. 216)

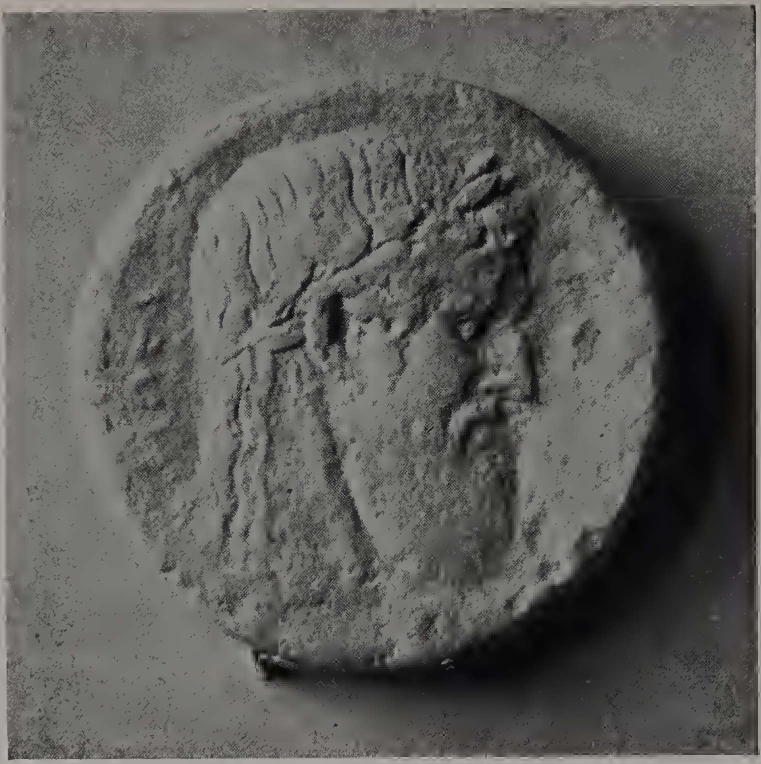


Fig. 606. Head of Zeus, on a Roman coin of Elis
(from a cast, enlarged)
Bibliothèque Nationale, Paris
(Cf. p. 219)

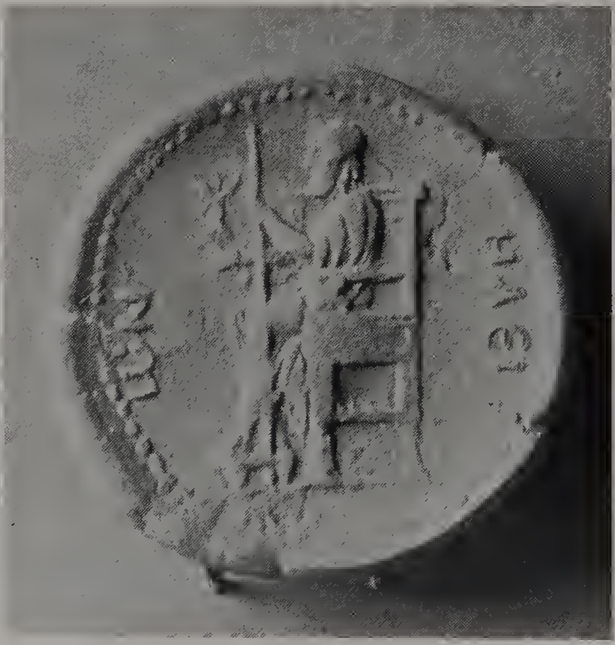


Fig. 607. Statue of Zeus, on a Roman coin of Elis
(from a cast, enlarged)
Museo Archeologico, Florence
(Cf. p. 219)

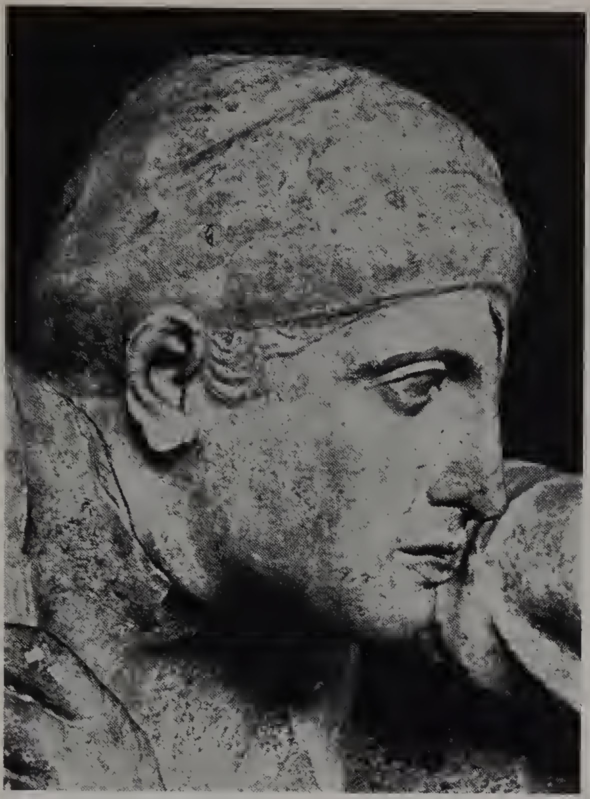


Fig. 608. Head of a reclining figure from the temple of Zeus at Olympia
Olympia Museum
(Cf. p. 224)

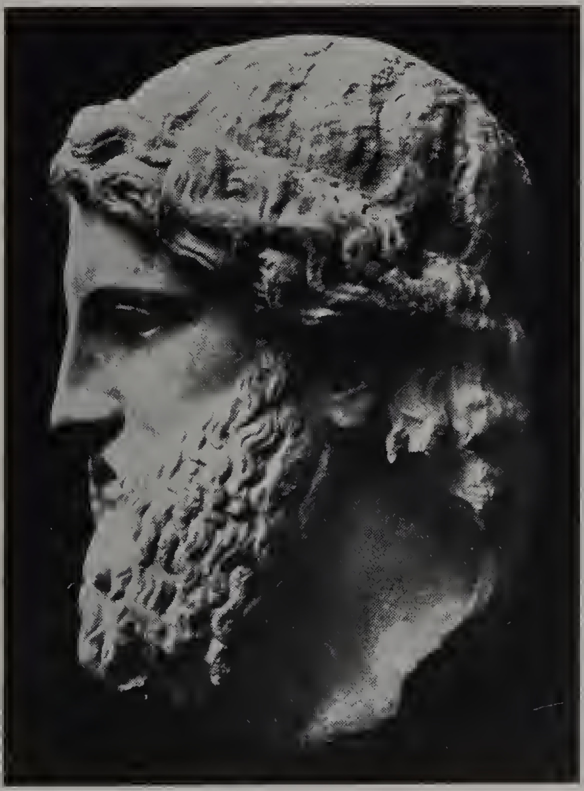


Fig. 609. Head of Zeus
Museum of Fine Arts, Boston
(Cf. p. 219)

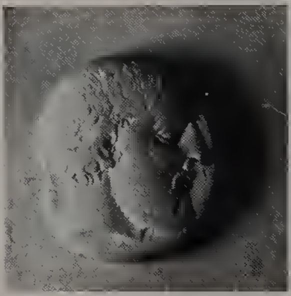


Fig. 610. Head of Zeus
on a coin of Elis
(from a cast)
British Museum, London
(Cf. p. 224)

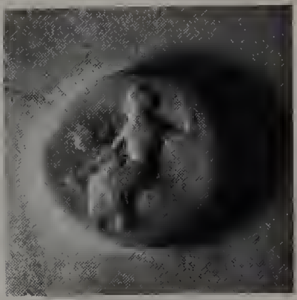


Fig. 611. Zeus seated, on
a coin of Elis
(from a cast)
British Museum, London
(Cf. p. 224)

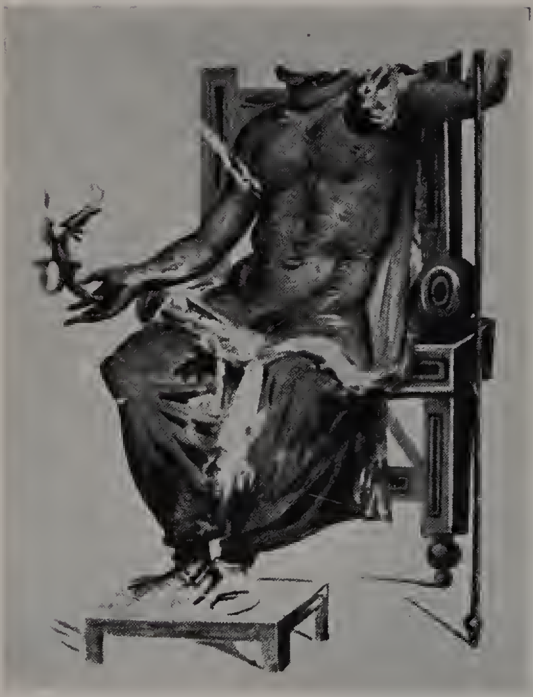


Fig. 612. Zeus, Roman fresco from Eleusis
(Cf. p. 219)

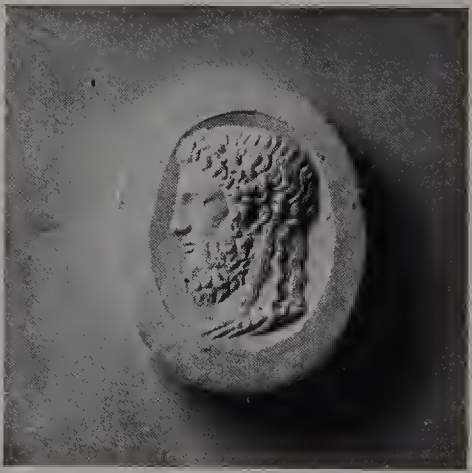


Fig. 613. Head of Zeus, on a gem
(from an impression)
Staatliche Museen, Berlin
(Cf. p. 219)

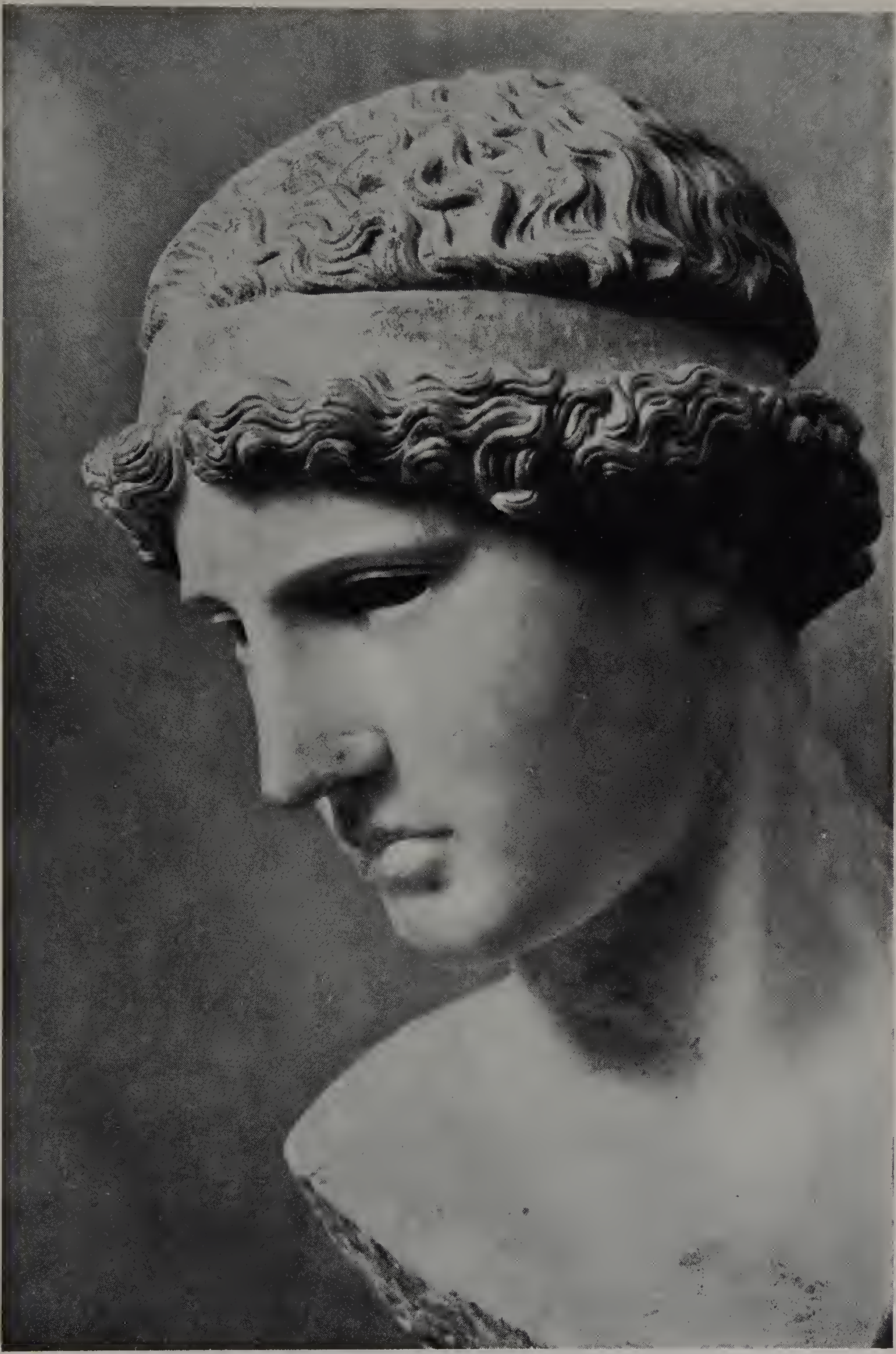


Fig. 614. Head of Athena

Museo Civico, Bologna

(Cf. pp. 79, 226)

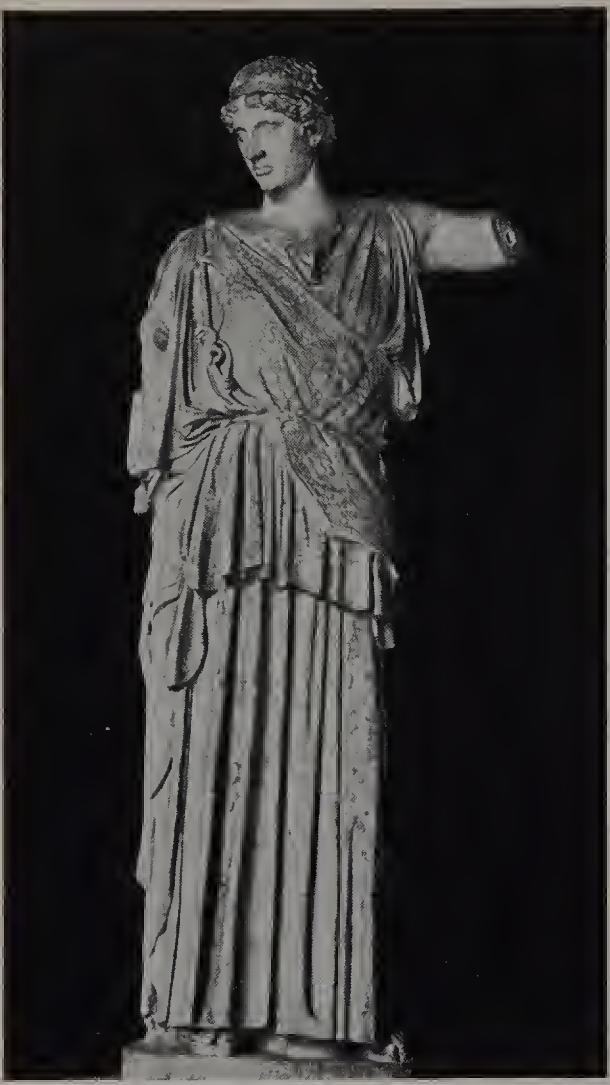


Fig. 615. Statue of Athena
The Albertinum, Dresden
(Cf. p. 226)

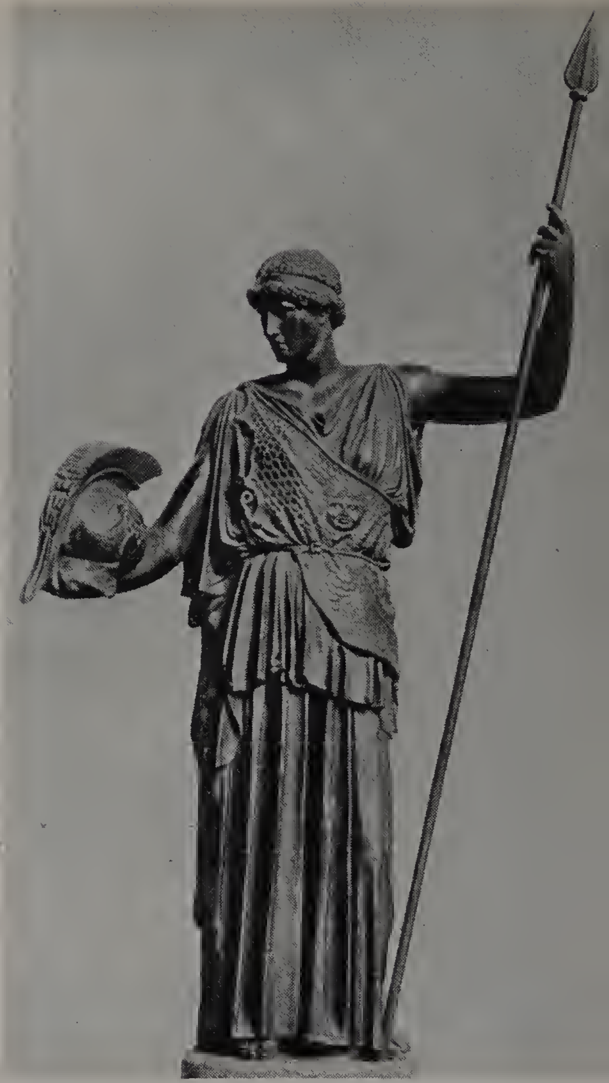


Fig. 616. Reconstruction of the "Lemnian Athena
From a cast in the Museum der Bildenden Künste, Budapest
(Cf. p. 226)

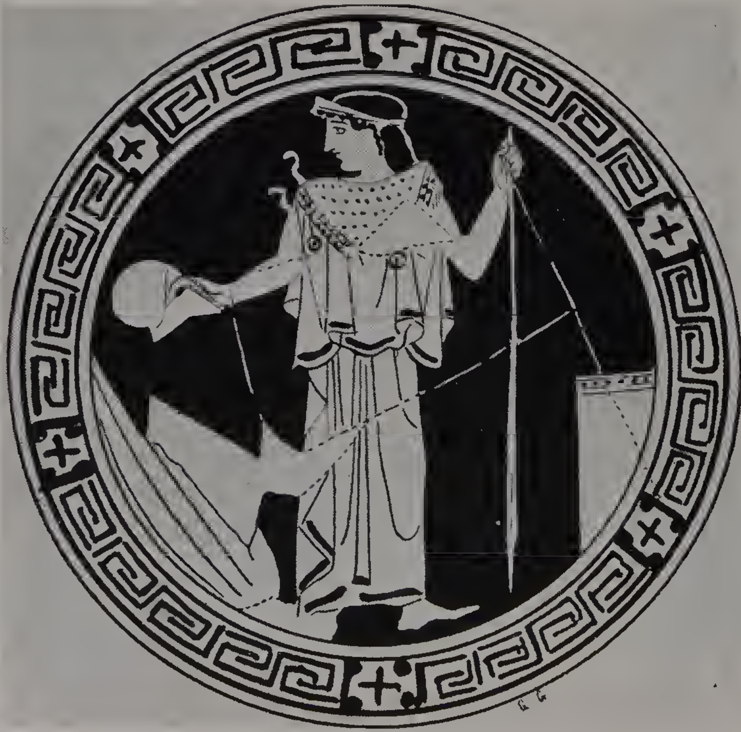


Fig. 617. Athena, on a red-figured kylix
Museo Civico, Bologna
(Cf. p. 226, note)

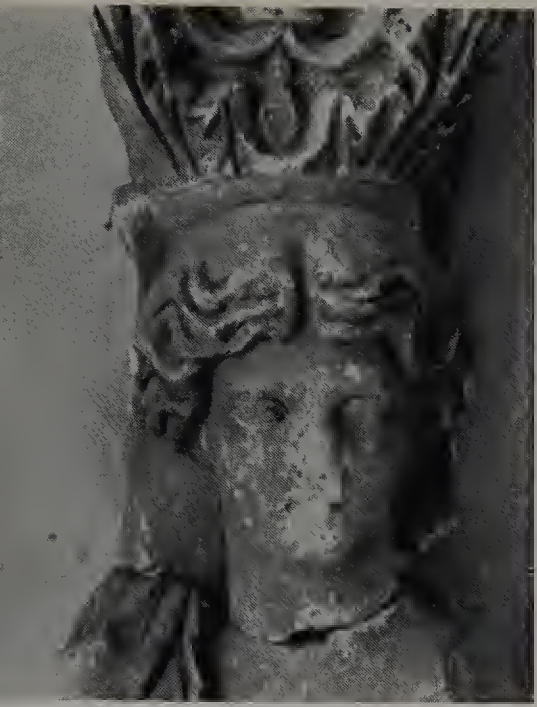


Fig. 618. Head of an Amazon
National Museum, Athens
(Cf. p. 228)

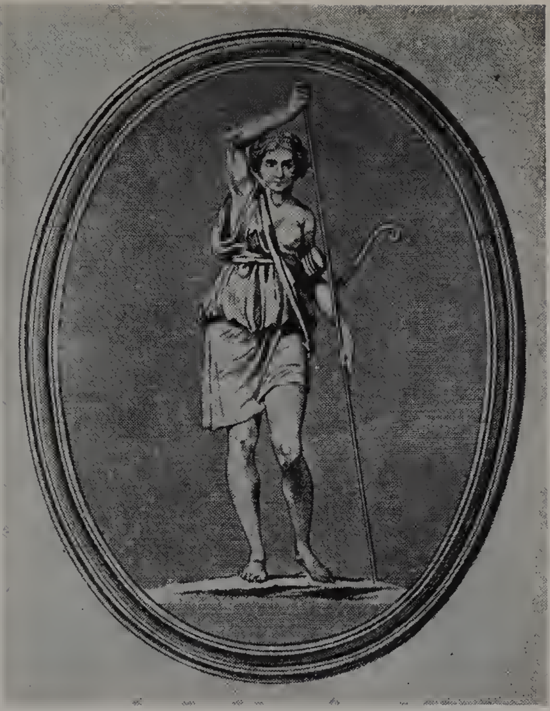


Fig. 619. Amazon, on a gem (from a drawing)
(Cf. p. 228)

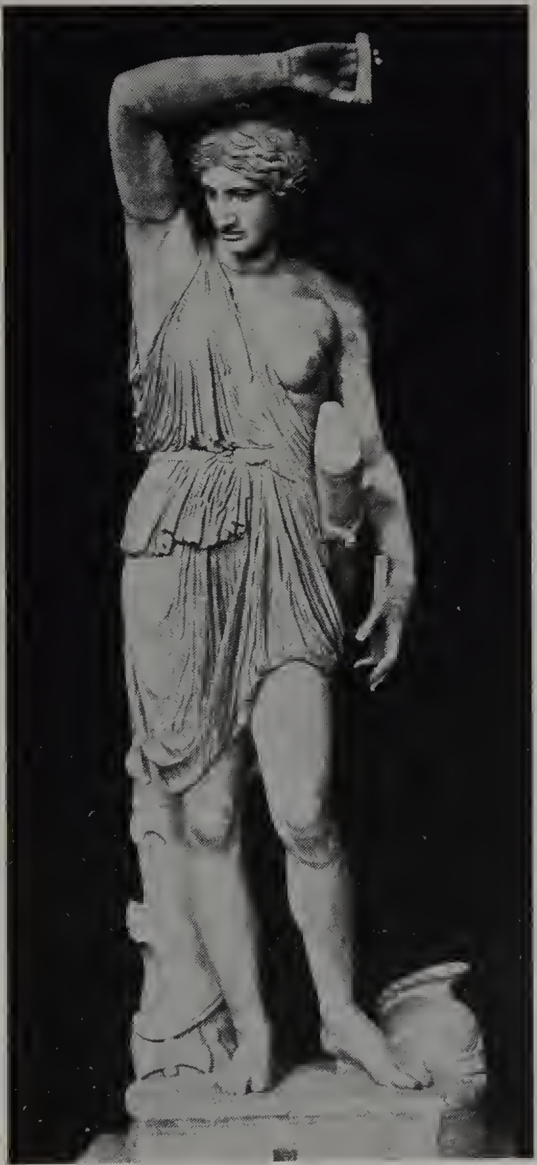
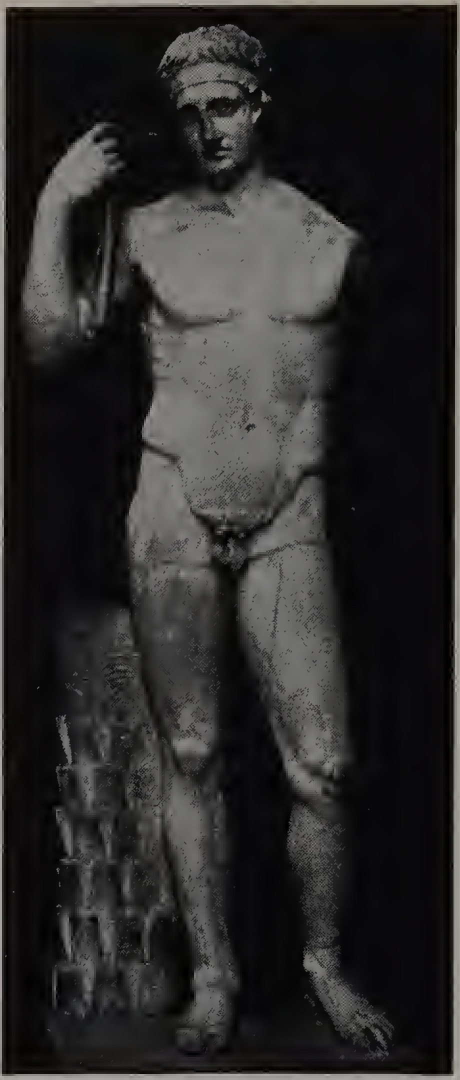


Fig. 620. Mattei Amazon
The Vatican, Rome
(Cf. p. 227)

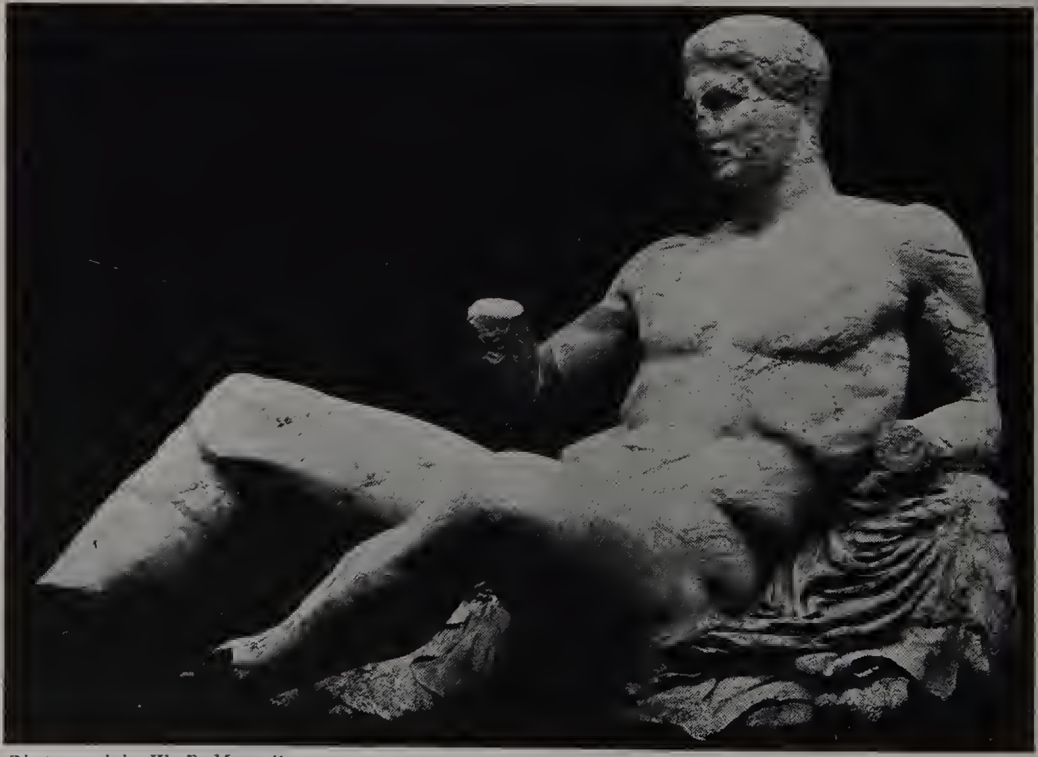


Photograph by W. F. Mansell

Fig. 621. Farnese Diadoumenos

British Museum, London

(Cf. p. 228)



Photograph by W. F. Mansell

Fig. 622. "Theseus," from the eastern pediment of the Parthenon

British Museum, London

(Cf. p. 230)

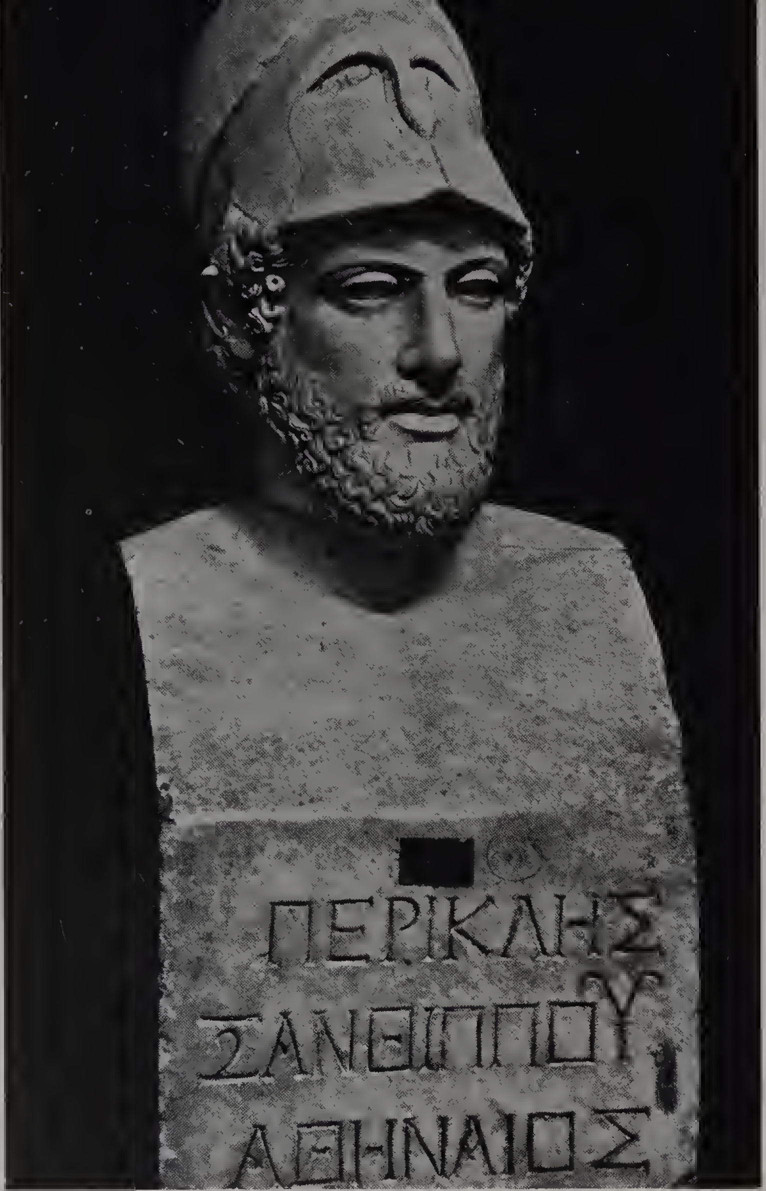
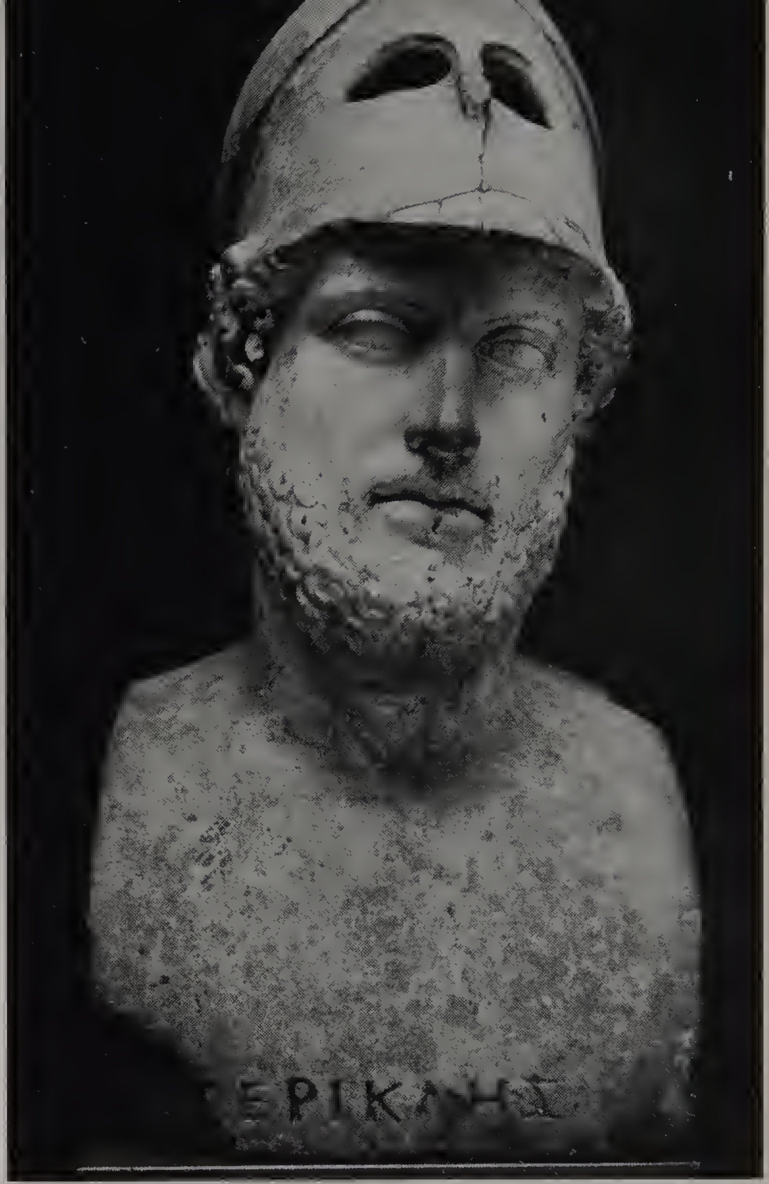

ΠΕΡΙΚΛΗΣ
ΞΑΝΘΙΠΠΟΥ
ΑΘΗΝΑΙΟΣ

Fig. 623. Herm of Perikles
The Vatican, Rome
(Cf. p. 232)



Photograph by W. F. Mansell

Fig. 624. Herm of Perikles
British Museum, London
(Cf. pp. 83, 231)

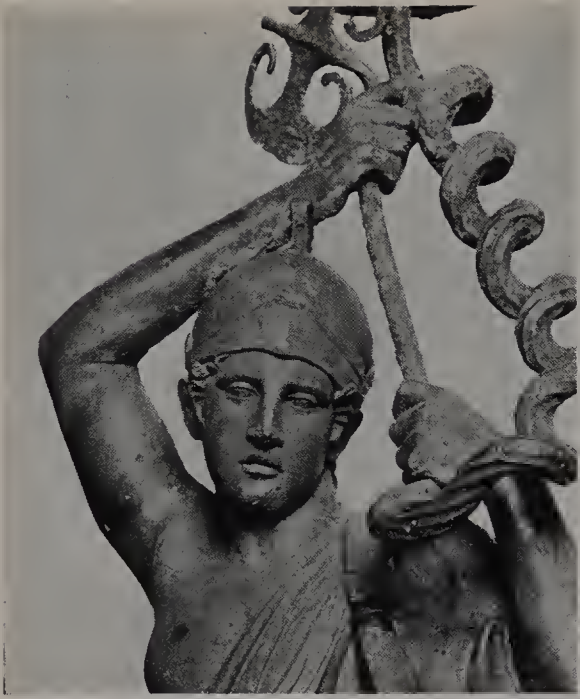


Fig. 625. Detail of a bronze statuette of a warrior (Cf. Fig. 127)
Musée St. Germain-en-Laye
(Cf. p. 233)

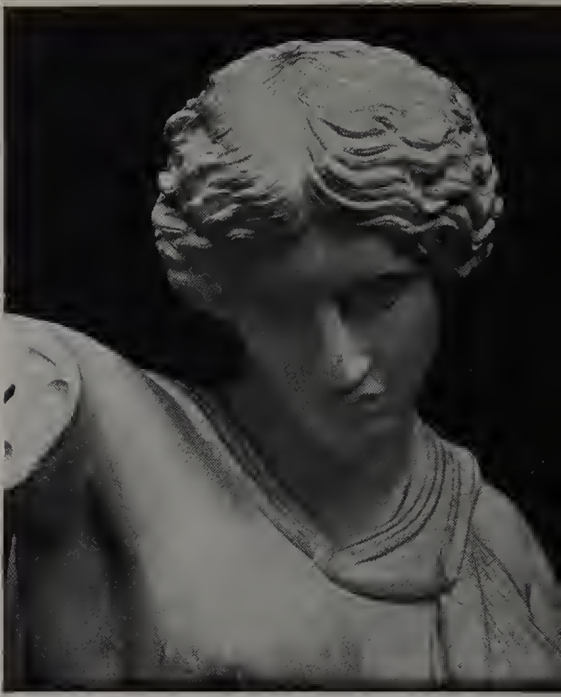


Fig. 626. Head of Fig. 627 (from a cast)

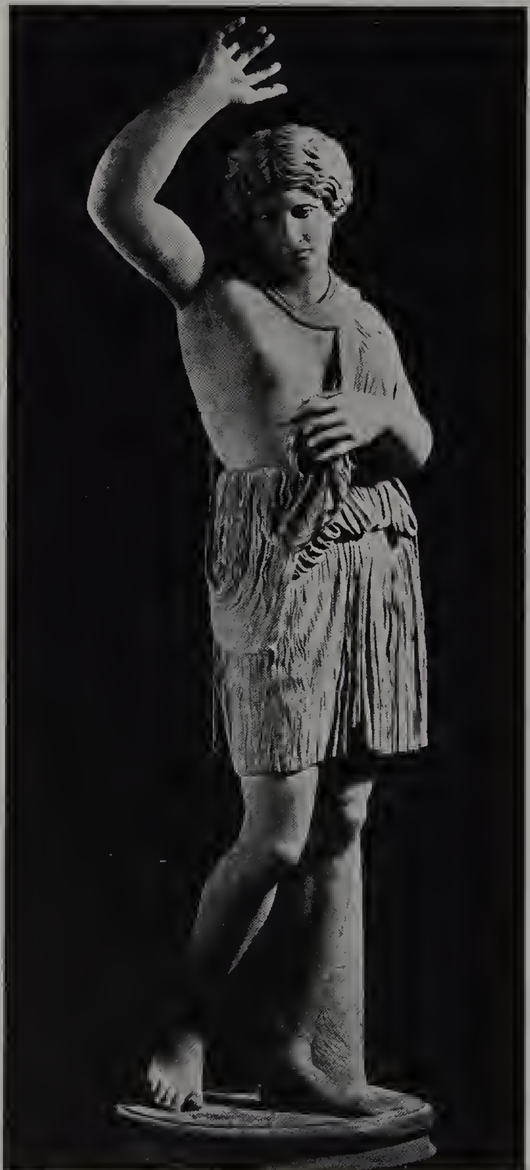


Fig. 627. Amazon
Capitoline Museum, Rome
(Cf. p. 234)

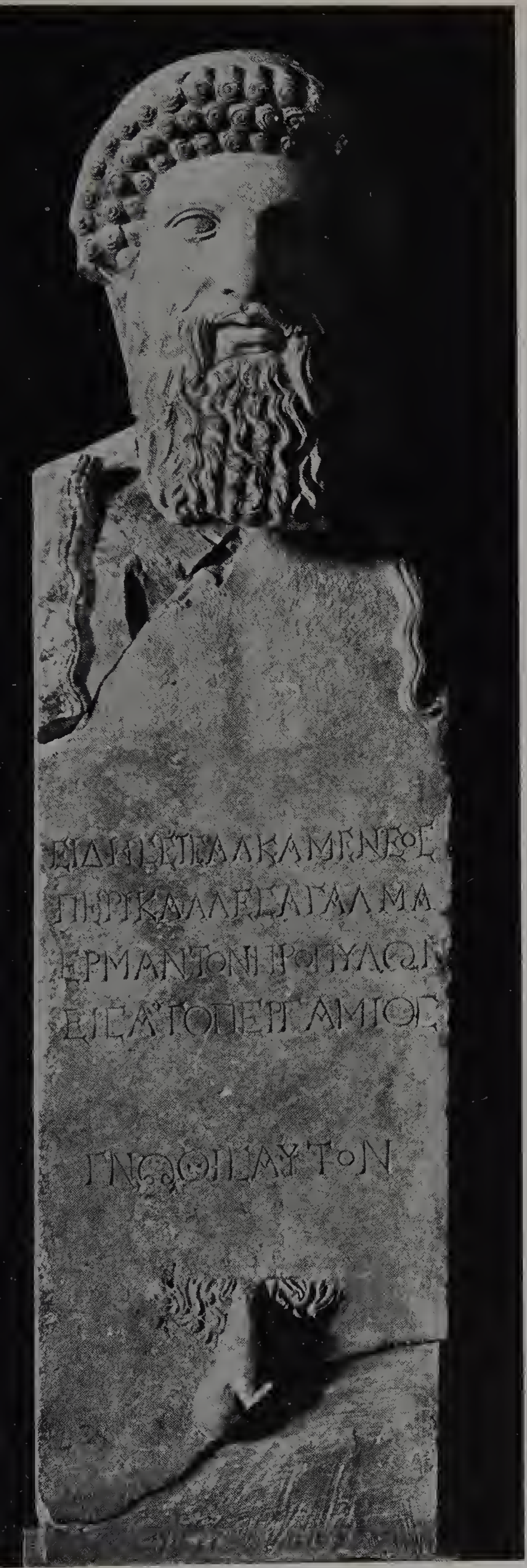

ΕΙΔΗΣΕΤΙΑΛΚΑΜΕΝΕΟΣ
ΠΕΡΙΚΑΛΛΕΣΑΓΑΛΜΑ
ΕΡΜΑΝΤΟΝΠΡΟΠΥΛΩΝ
ΕΙΣΑΤΟΠΕΡΓΑΜΙΟΣ
ΓΝΩΘΙΣΑΥΤΟΝ

Fig. 628. Herm of Hermes Propylaios
Musées d'Antiquités de Stamboul (Constantinople)
(Cf. p. 236)

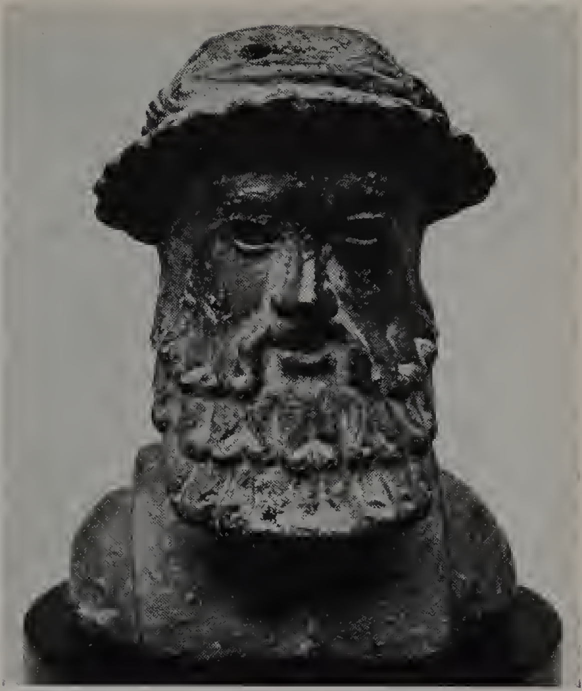


Fig. 629. Bronze herm of Hermes Propylaios
Metropolitan Museum of Art
(Cf. p. 236)

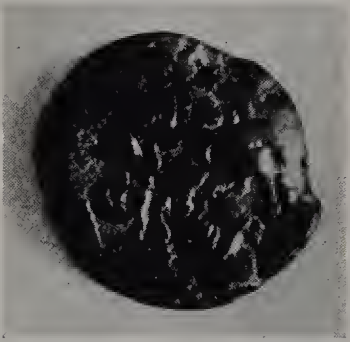


Fig. 630. Head of the Dionysos by Alkamenes, on a coin of Athens (enlarged)
E. T. Newell Collection, New York
(Cf. p. 236)

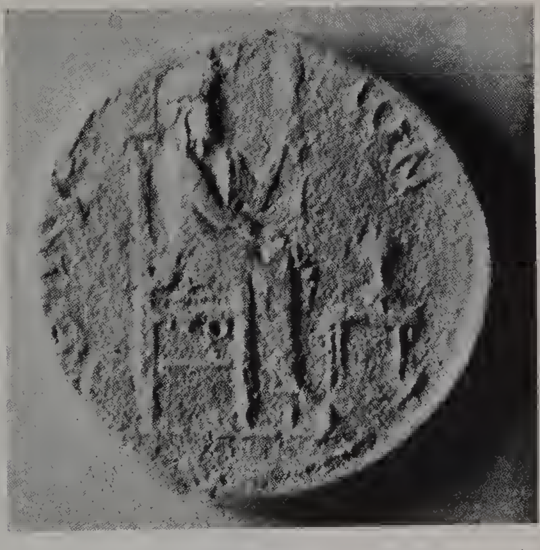


Fig. 631. Dionysos, by Alkamenes, on a coin of Athens (from a cast, enlarged)
Bibliothèque Nationale, Paris
(Cf. p. 236)

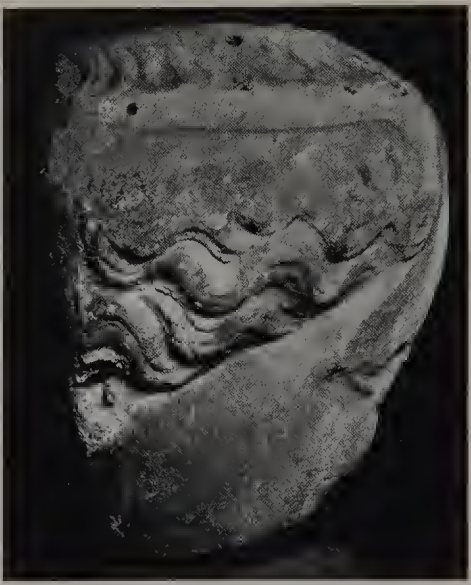


Fig. 633. Head of Nemesis by Agorakritos
British Museum, London
(Cf. p. 239)

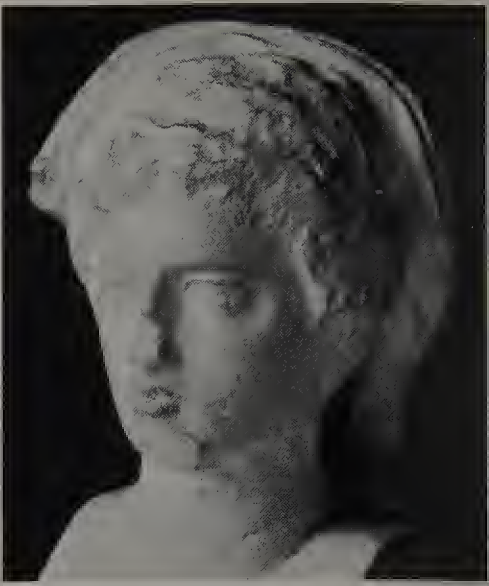


Fig. 635. Head of a woman, from the base of the statue of Nemesis by Agorakritos (from a cast)
National Museum, Athens
(Cf. p. 240)

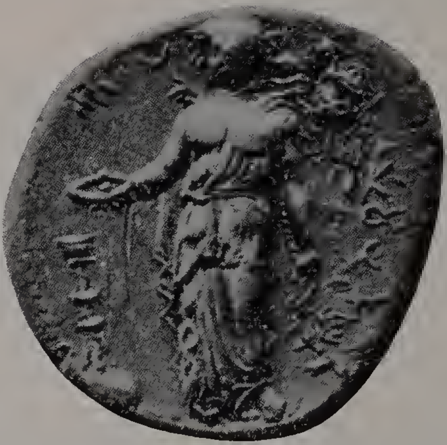


Fig. 634. Nemesis, on a coin of Paphos (from a cast, enlarged) (cf. p. 240)
British Museum, London

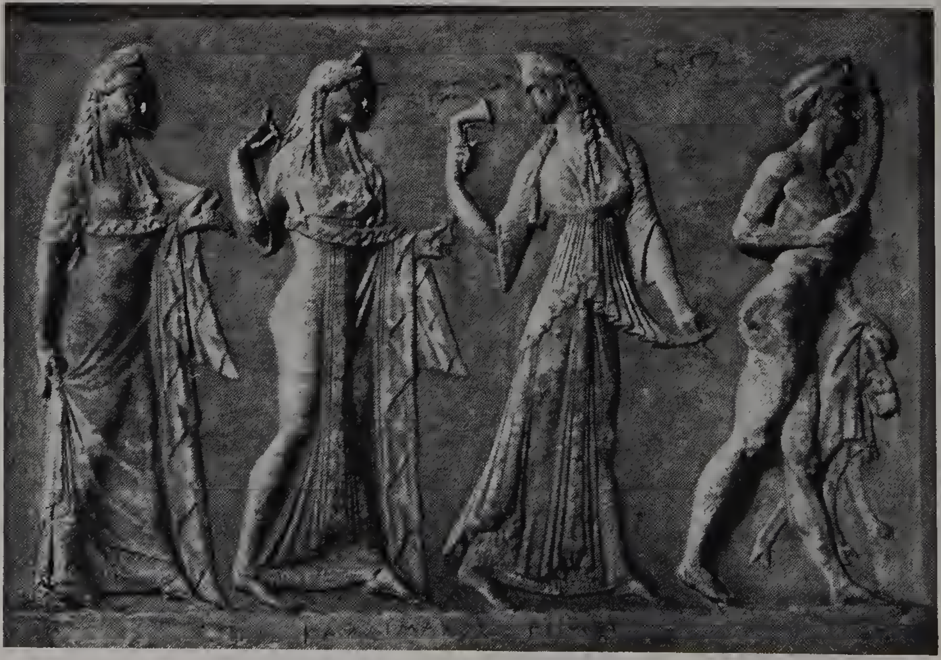


Fig. 636. Pan and the Graces (cf. p. 241)
Capitoline Museum, Rome

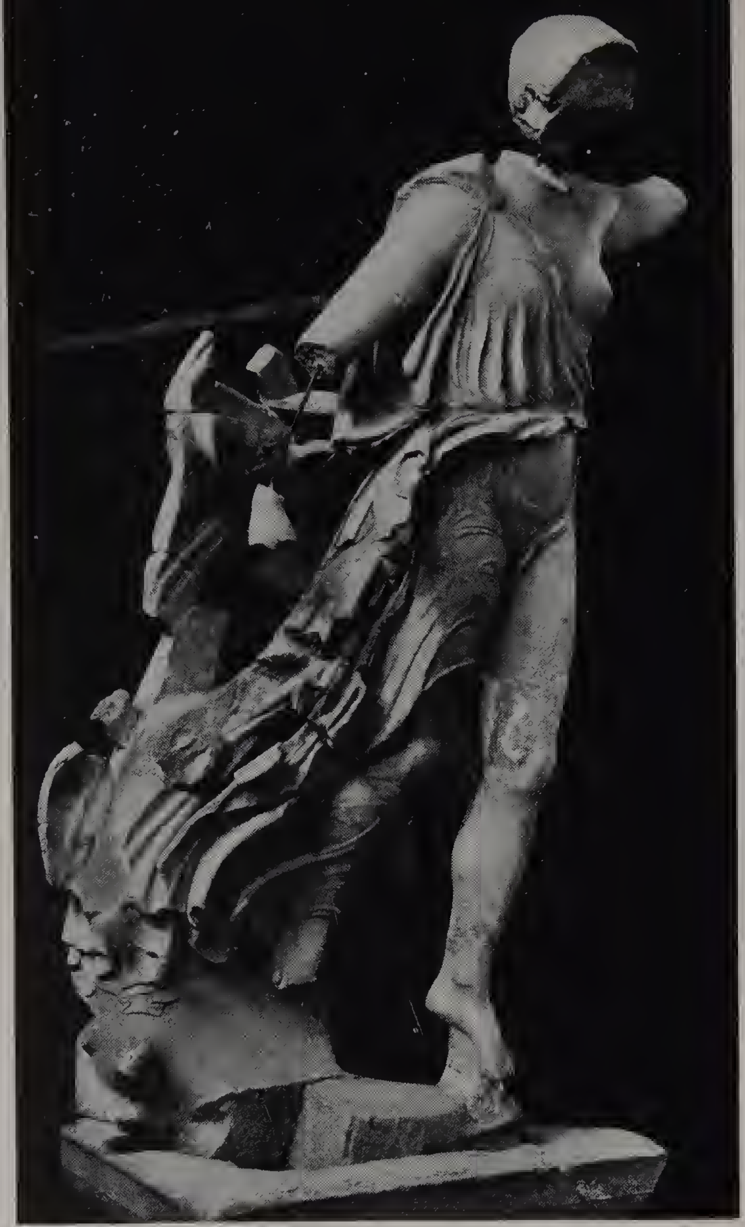


Fig. 637. Nike by Paionios (three-quarters view)
Olympia Museum
(Cf. pp. 63, 101, 241)

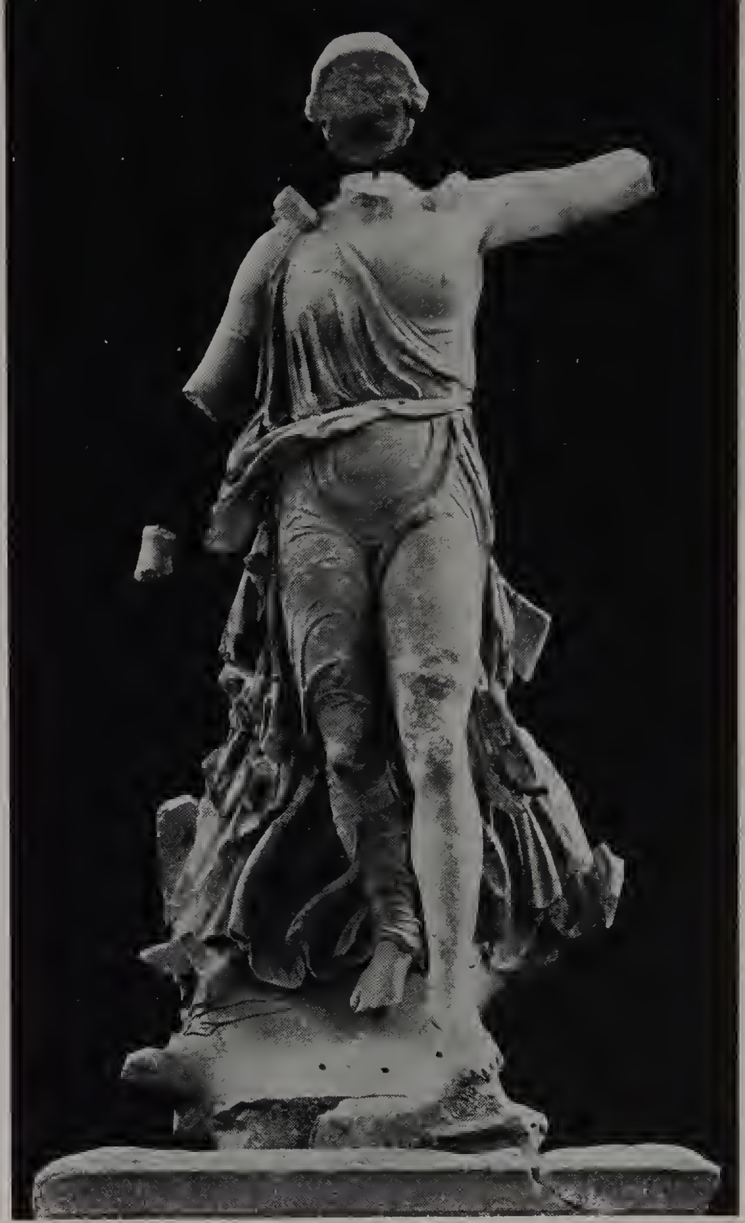


Fig. 638. Front view of Fig. 637

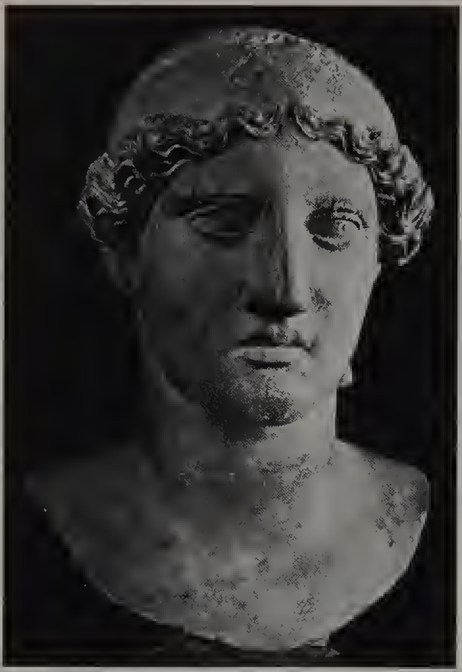


Fig. 639. The "Hertz" head
Palazzo Venezia, Rome
(Cf. p. 242)

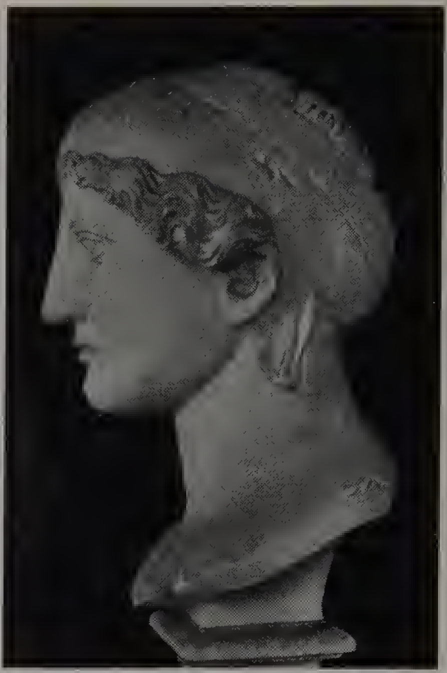


Fig. 640. Profile view of Fig. 639
(from a cast)

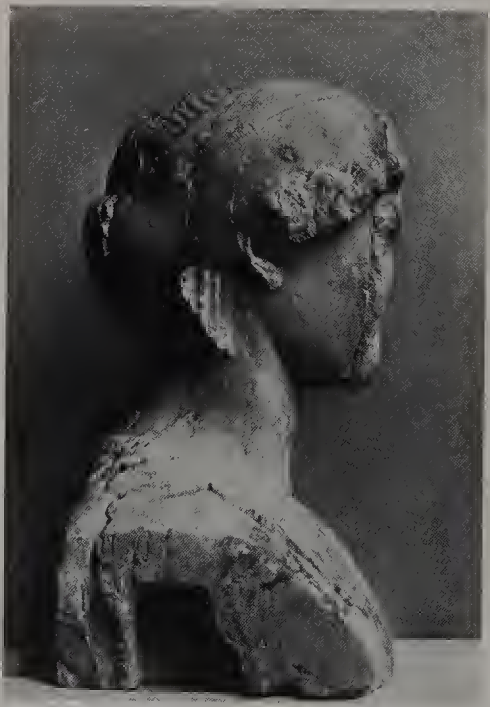


Fig. 641. Head of the same type
as that shown in Fig. 639
The Vatican, Rome
(Cf. p. 242)

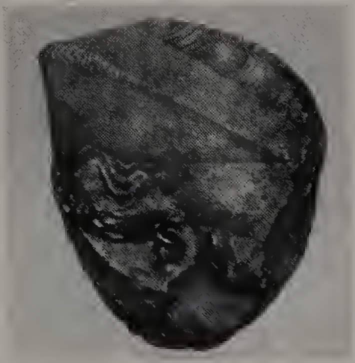


Fig. 642. Fragment of the head of the Nike by Paionios (Cf. Fig. 637)
Olympia Museum
(Cf. p. 242)

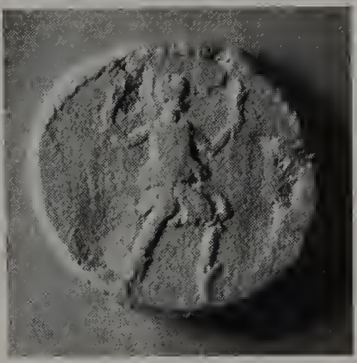


Fig. 643. Artemis, by Strongylion, on a coin of Megara (from a cast, enlarged)
British Museum, London
(Cf. p. 244)

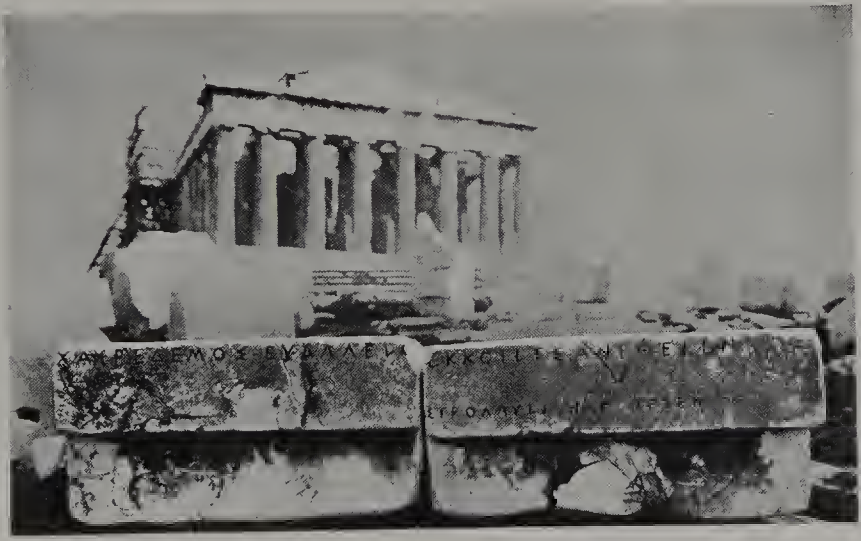


Fig. 644. Inscribed base of the bronze statue of the wooden horse by Strongylion
On the Akropolis, Athens
(Cf. p. 243)

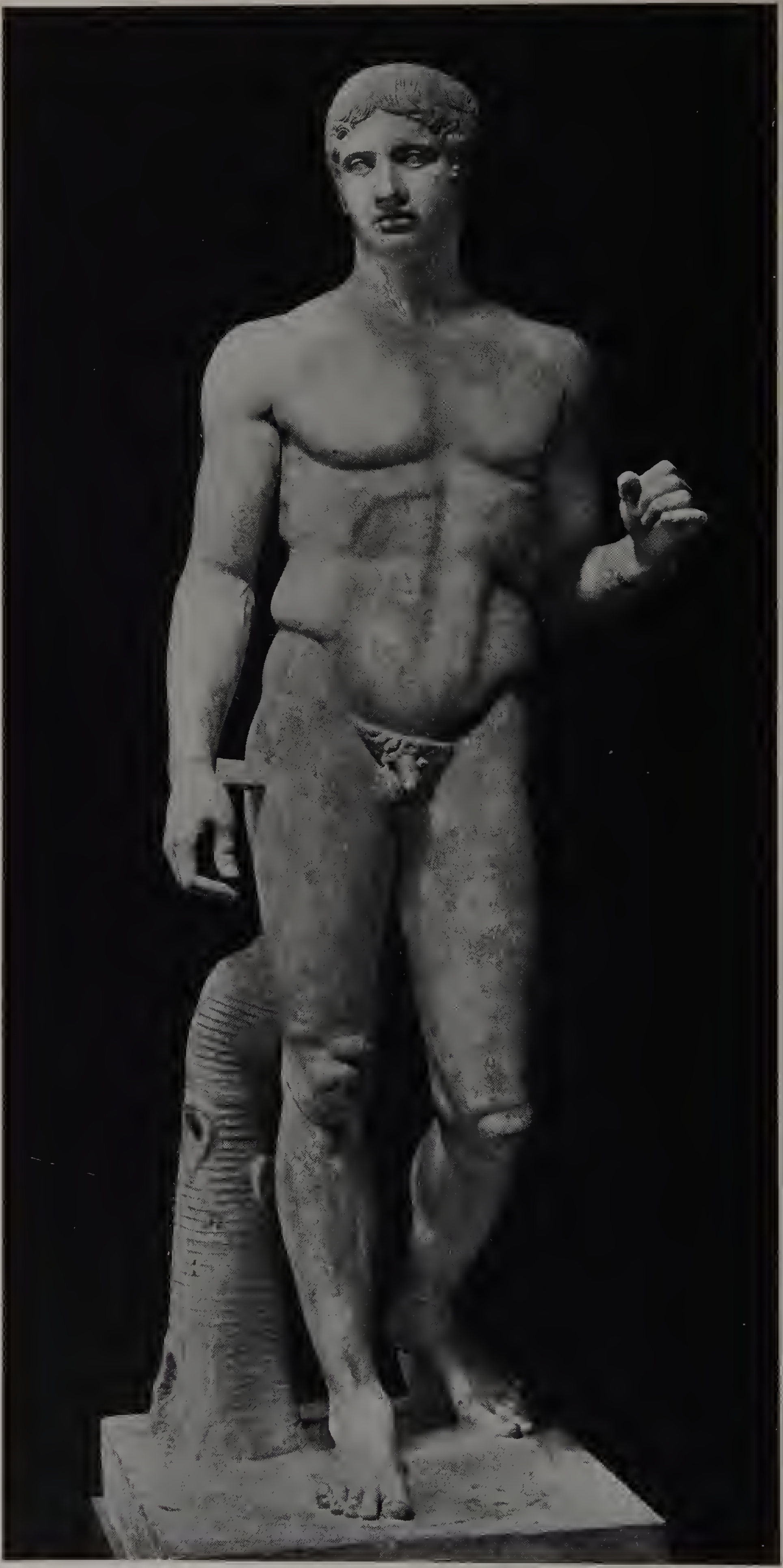


Fig. 645. Doryphoros, from Pompeii

Museo Nazionale, Naples

(Cf. pp. 56, 245)

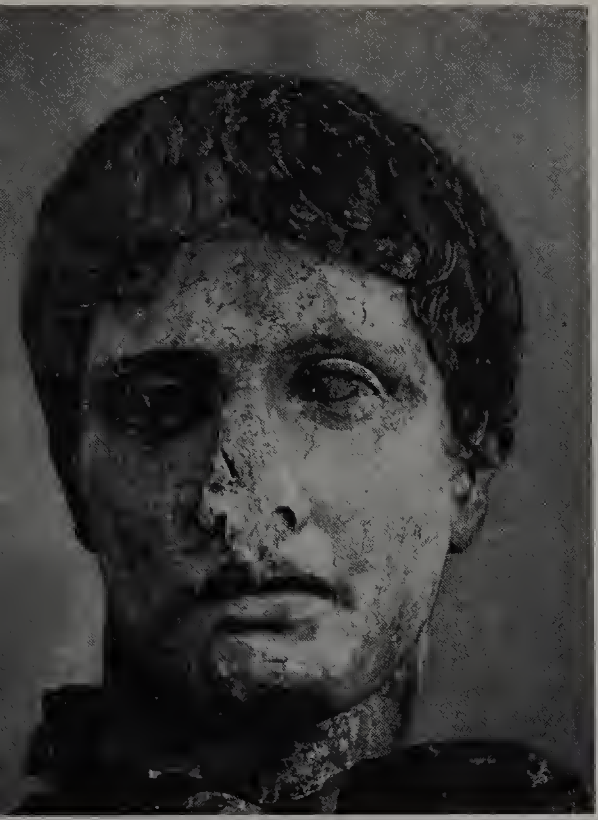


Fig. 646. Head of the Doryphoros
Corinth Museum
(Cf. p. 246)

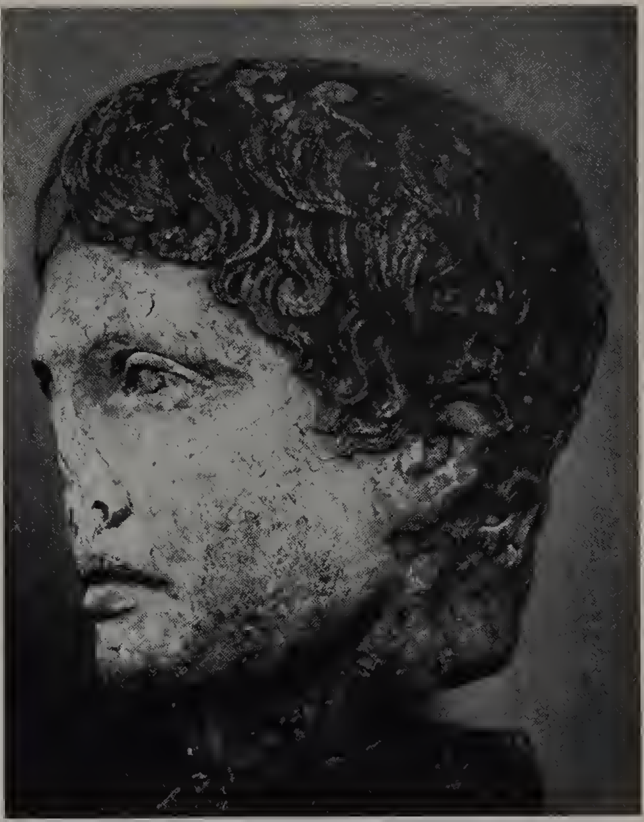


Fig. 647. Profile view of Fig. 646

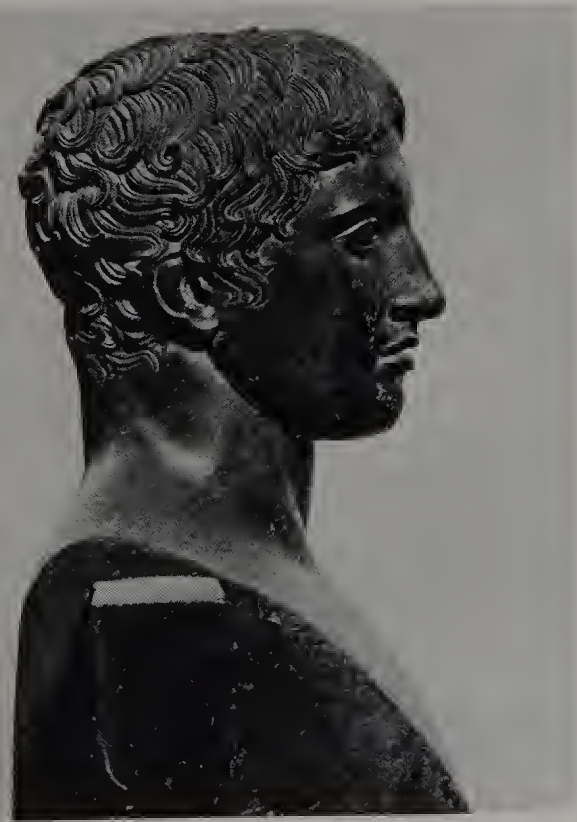


Fig. 648. Bronze herm of the Doryphoros
Museo Nazionale, Naples
(Cf. p. 246)

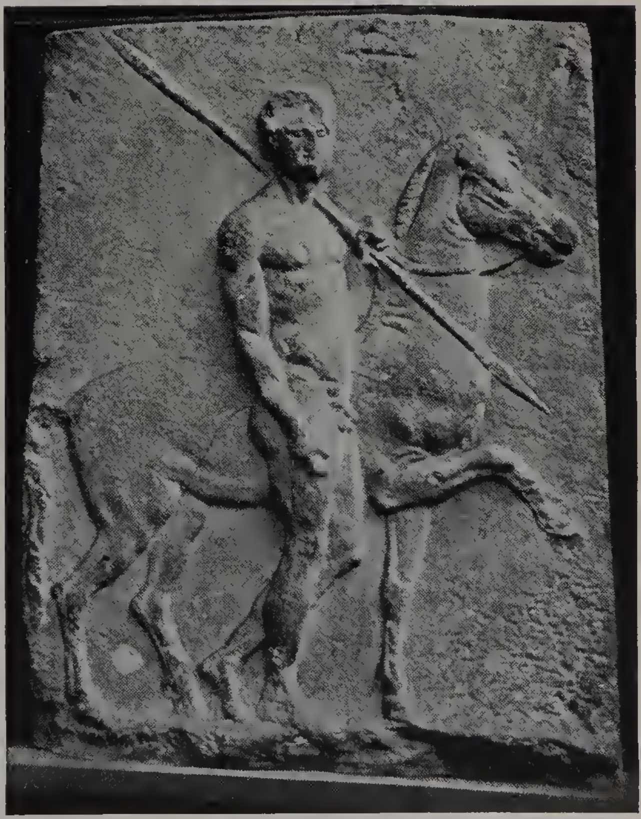


Fig. 649. Relief of the Doryphoros (from a cast)
National Museum, Athens
(Cf. p. 245)

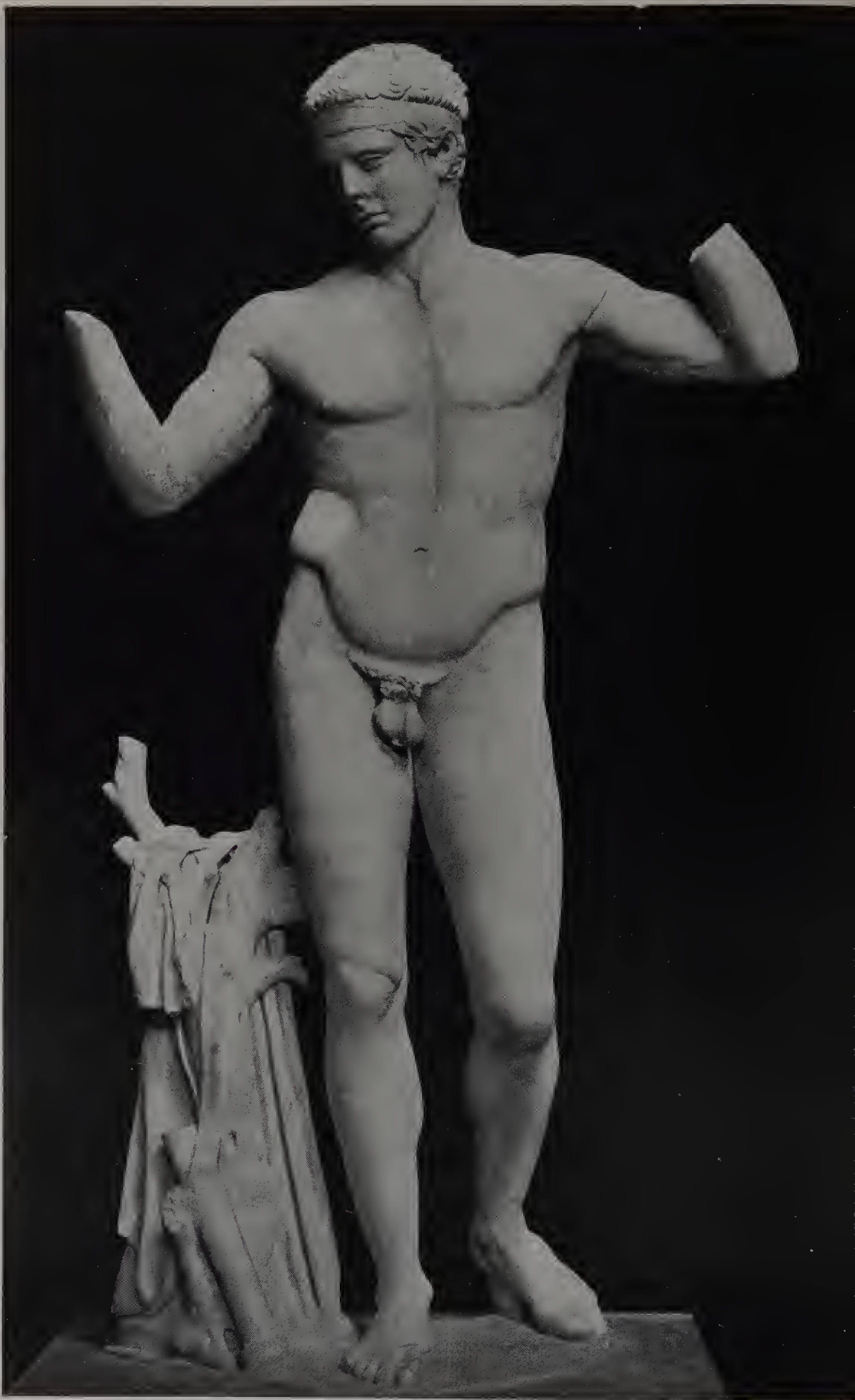


Fig. 650. Diadoumenos, from Delos

National Museum, Athens

(Cf. pp. 56, 178, 247)

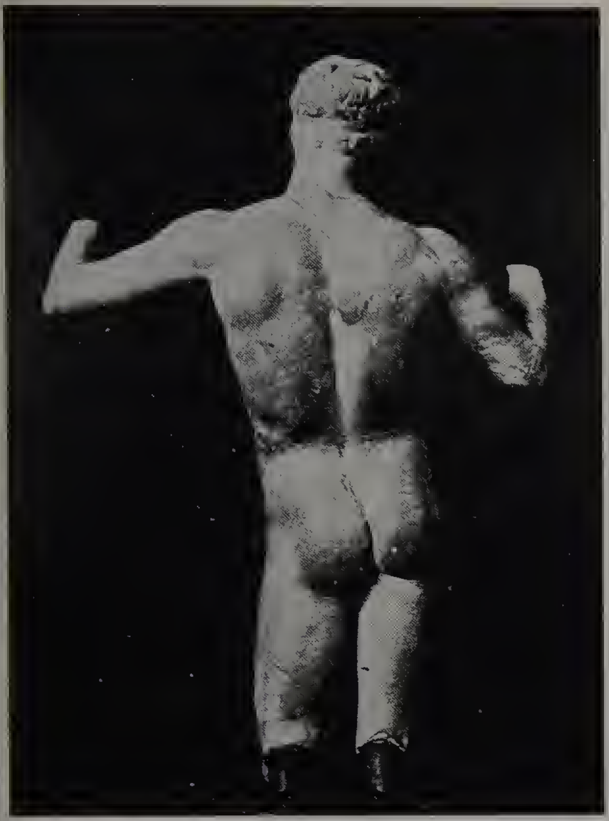


Fig. 651. Terracotta statuette of the Diadoumenos (back view)

On loan in the Louvre, Paris

(Cf. p. 247)

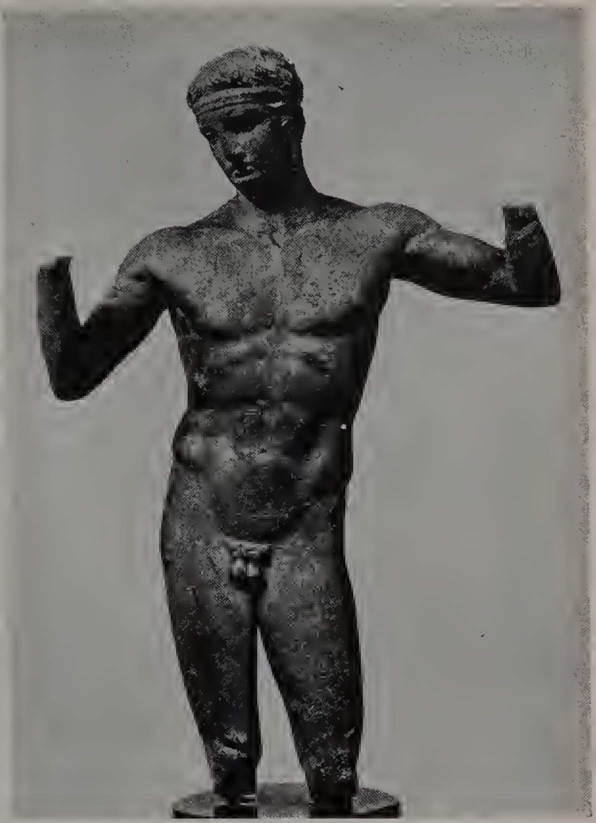


Fig. 652. Front view of Fig. 651

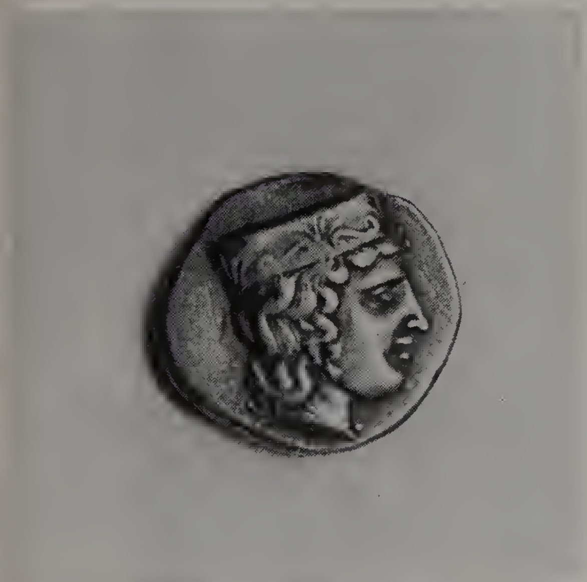


Fig. 653. Head of Hera, on a coin of Argos (slightly enlarged)

E. T. Newell Collection, New York

(Cf. p. 248)

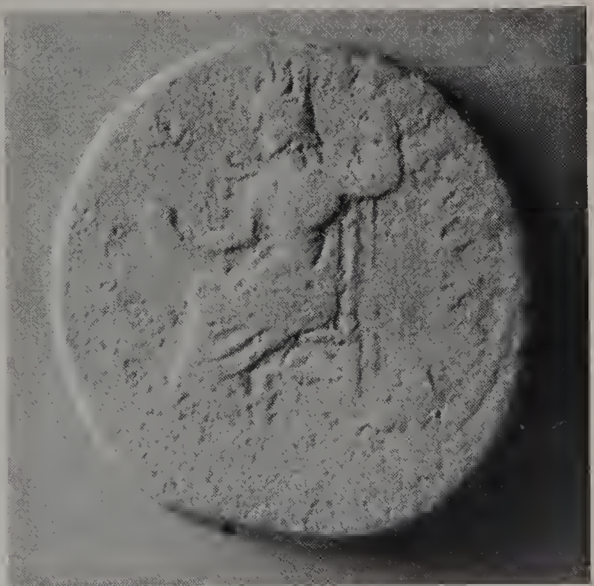


Fig. 654. Hera, on a coin of Argos (from a cast, enlarged)

British Museum, London

(Cf. p. 248)

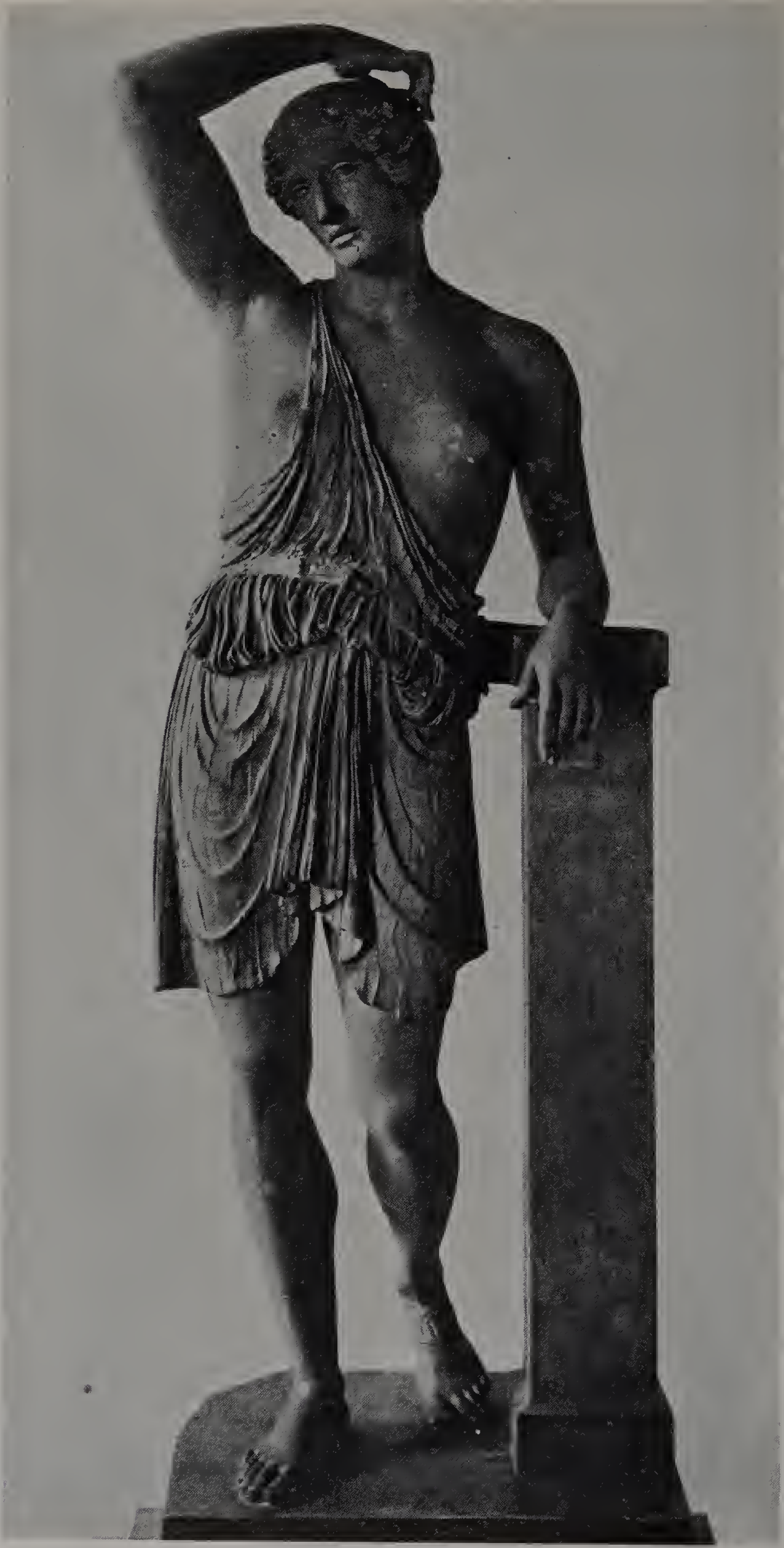


Fig. 655. Amazon, from Rome

Staatliche Museen, Berlin

(Cf. p. 249)

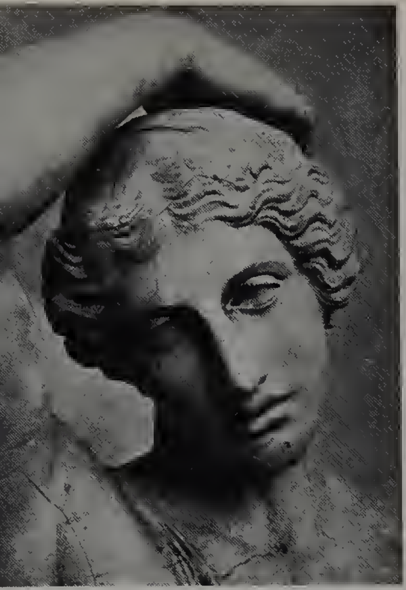


Fig. 656. Head of an Amazon (from a cast) (cf. p. 249)

Formerly in the Lansdowne Collection

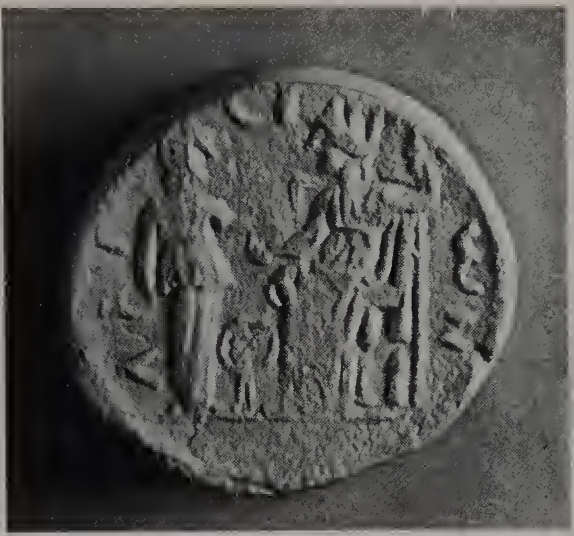
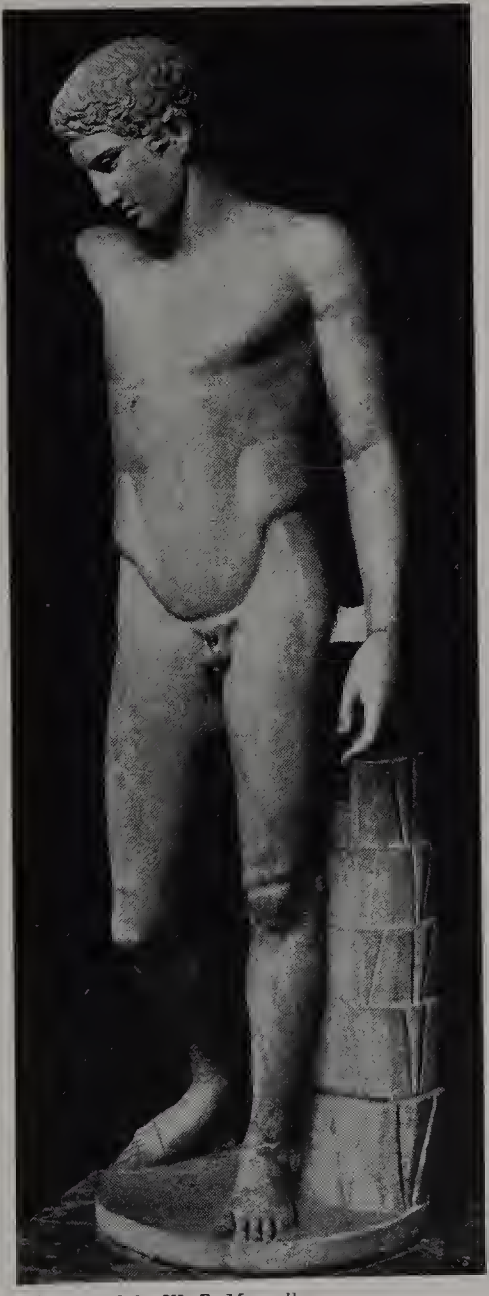


Fig. 657. Hera and Hebe, on a coin of Argos (from a cast, enlarged)

(Cf. p. 252)

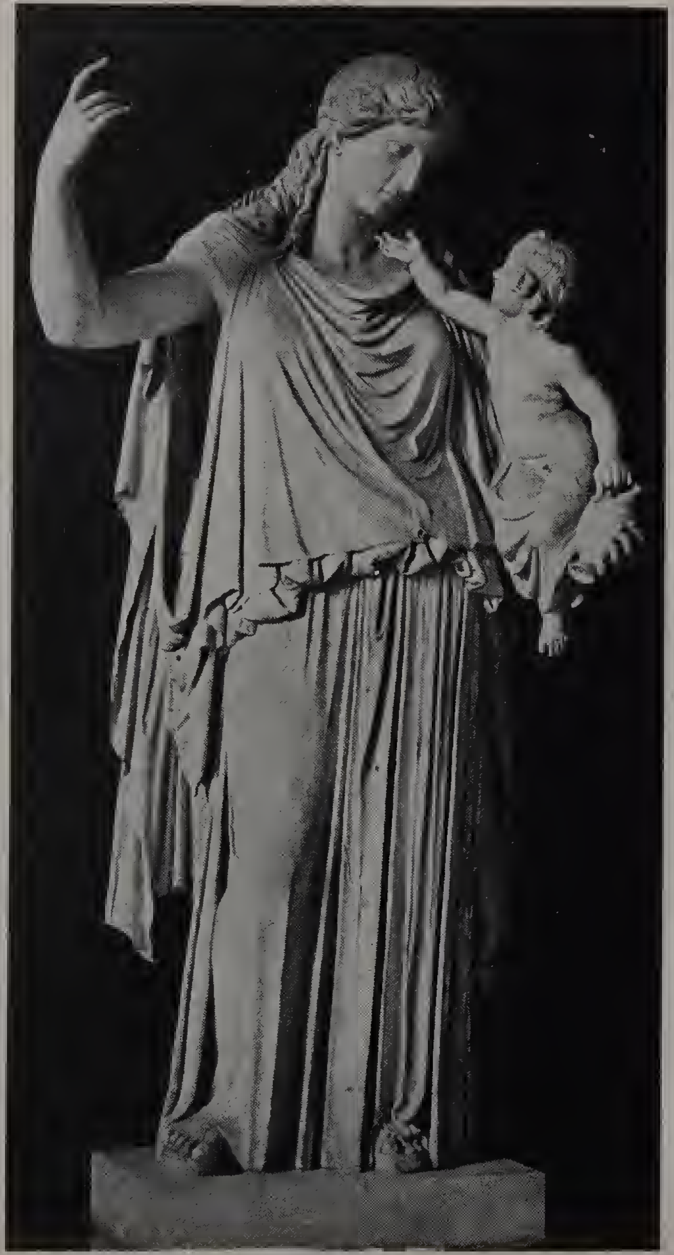


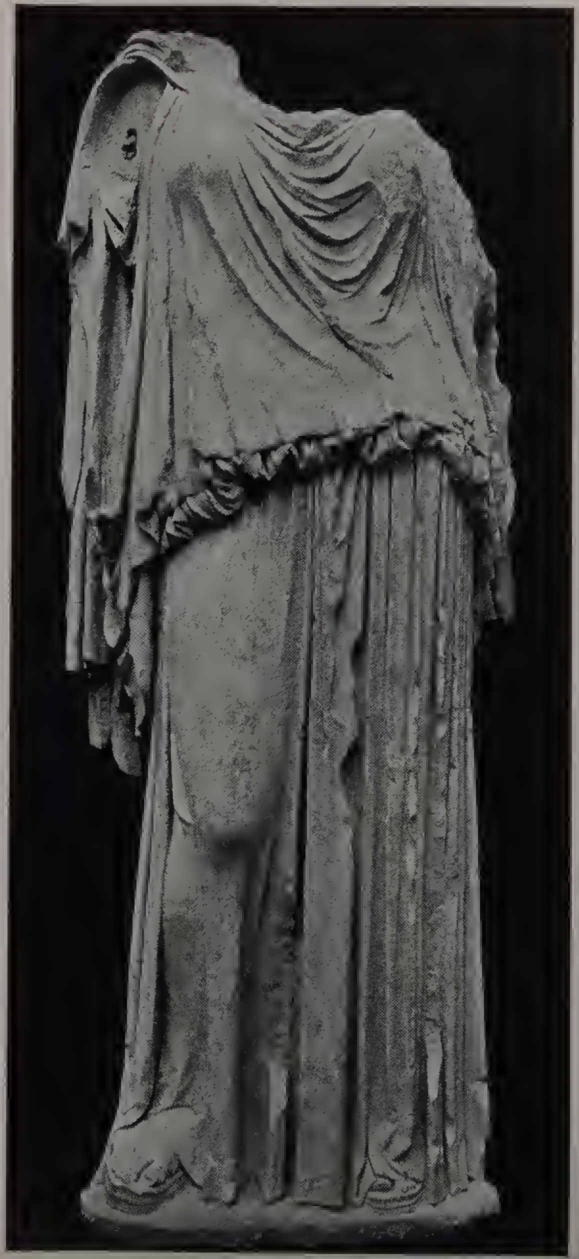
Photograph by W. F. Mansell

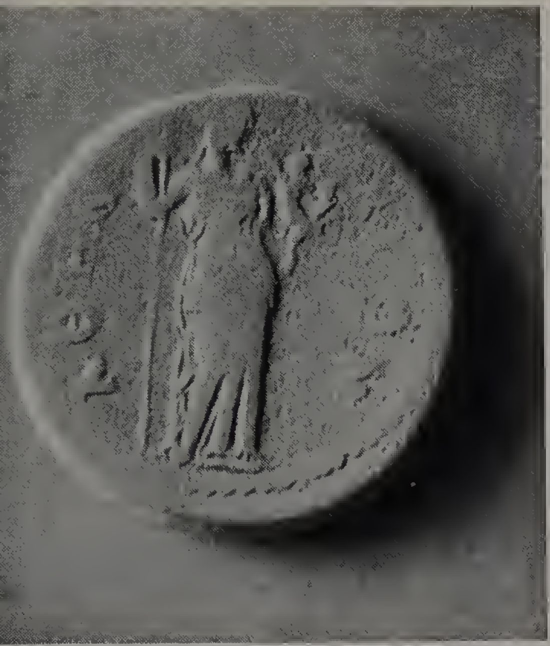
Fig. 658. "Westmacott Athlete"

British Museum, London

(Cf. p. 250)







661. Eirene and the Infant Ploutos, on a coin of Athens (from a cast, enlarged)

British Museum, London

(Cf. p. 255)

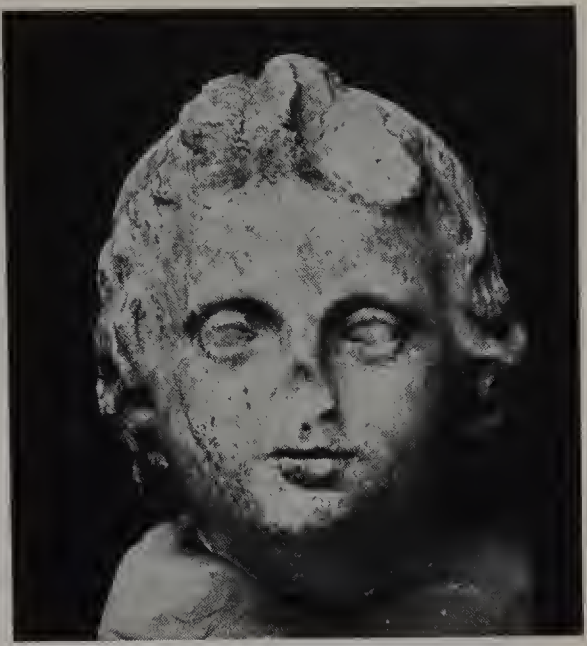


Fig. 662. Head of Fig. 663 before restorations

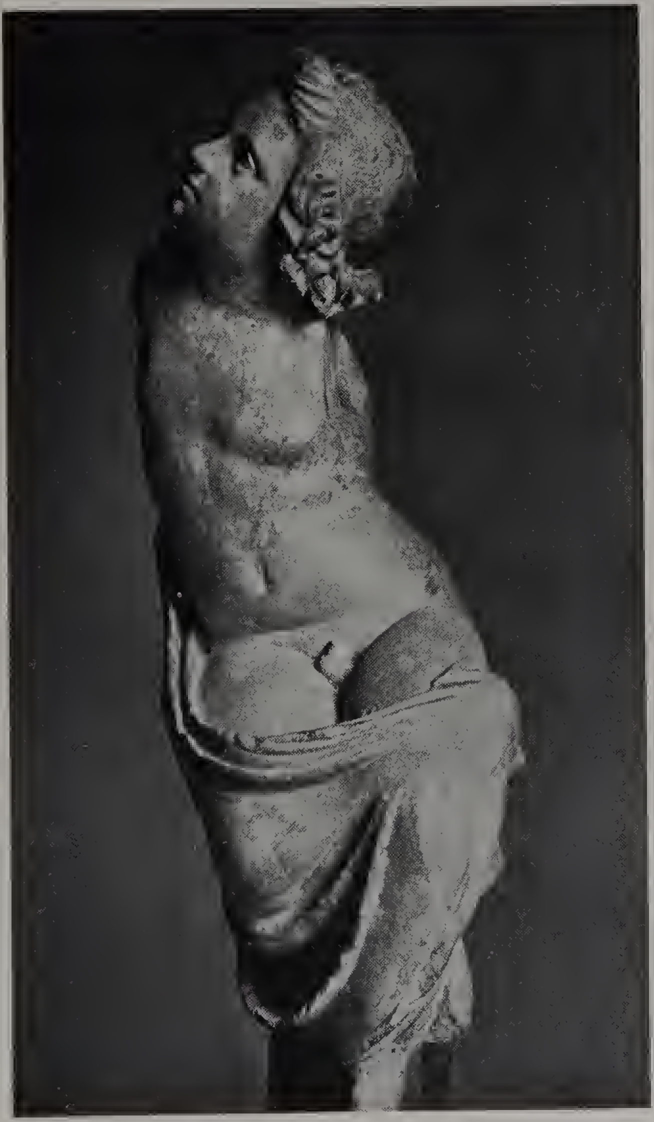


Fig. 663. Ploutos

The Albertinum, Dresden

(Cf. p. 256)

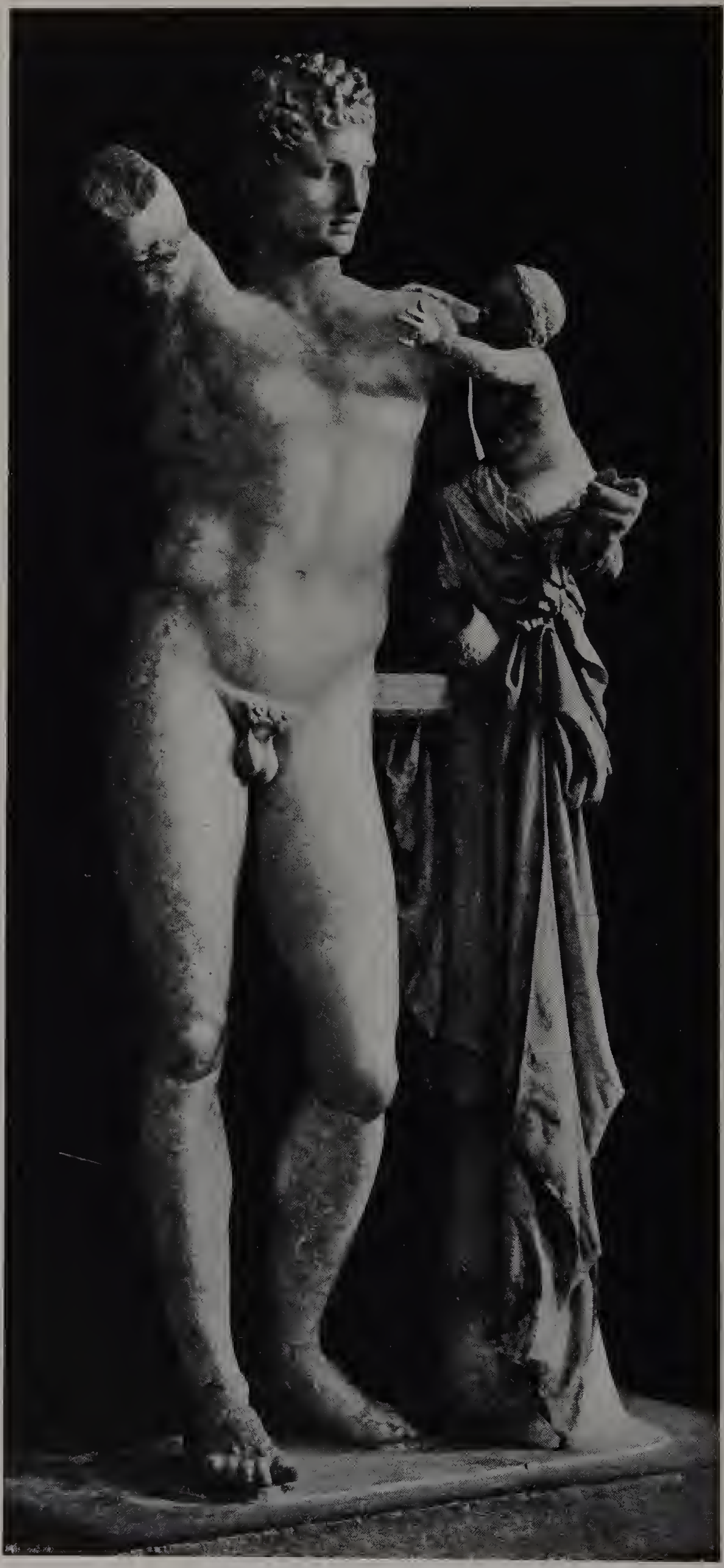


Fig. 664. Hermes and the Infant Dionysos, by Praxiteles

Olympia Museum

(Cf. pp. 58, 104, 180, 257)

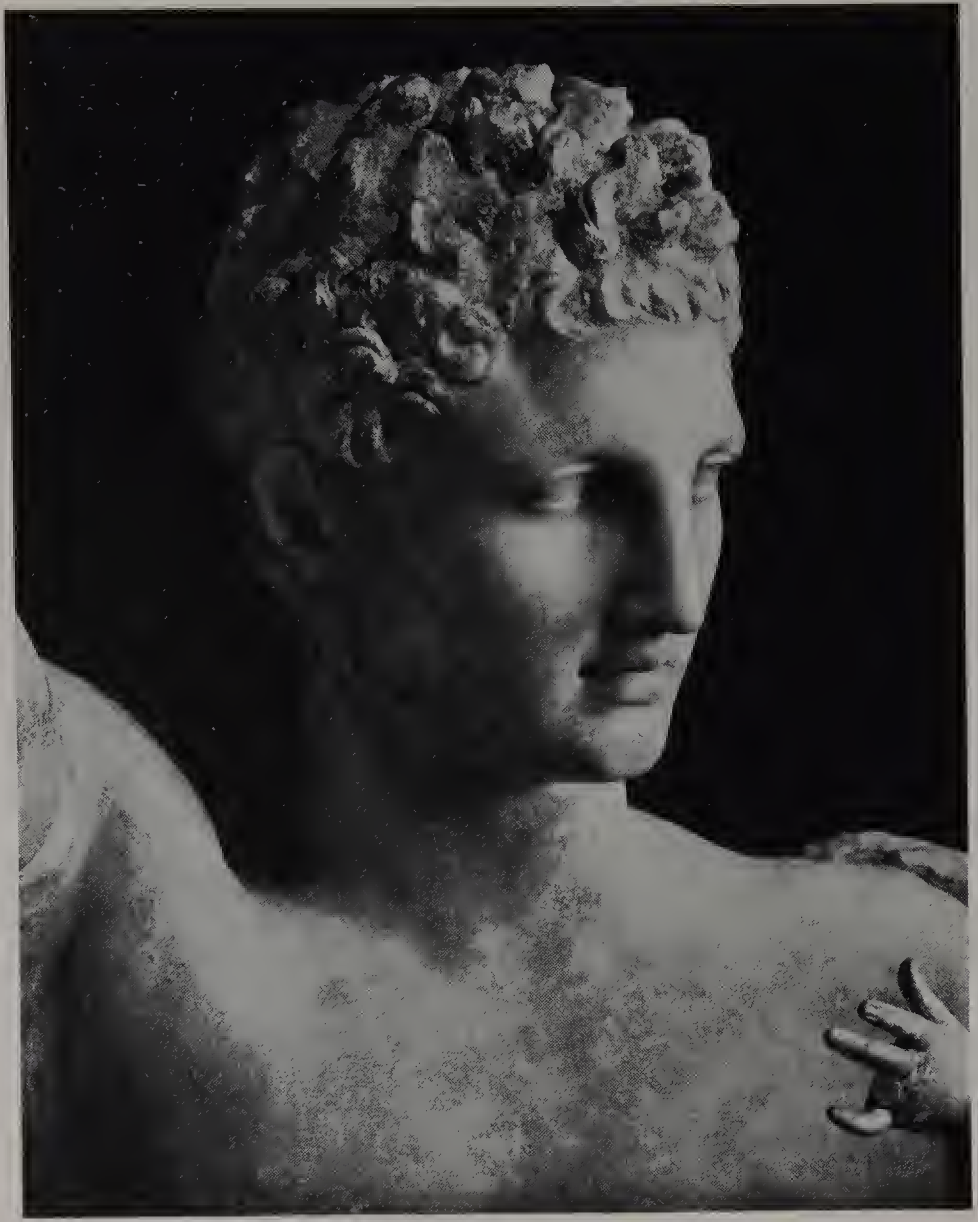


Fig. 665. Head of the Hermes by Praxiteles (see Fig. 664)
(Cf. p. 257)

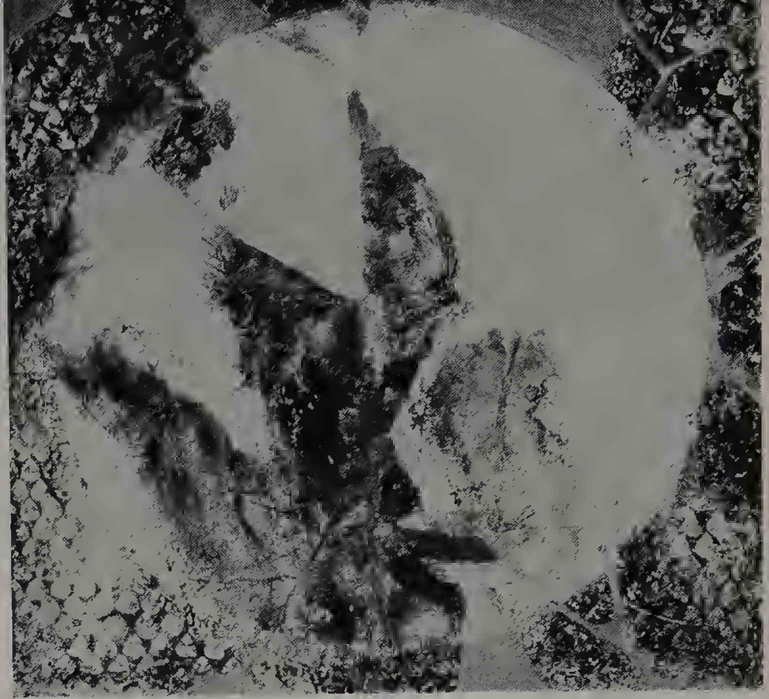


Fig. 666. Satyr with the infant Dionysos, on a fresco
Metropolitan Museum of Art
(Cf. p. 258)

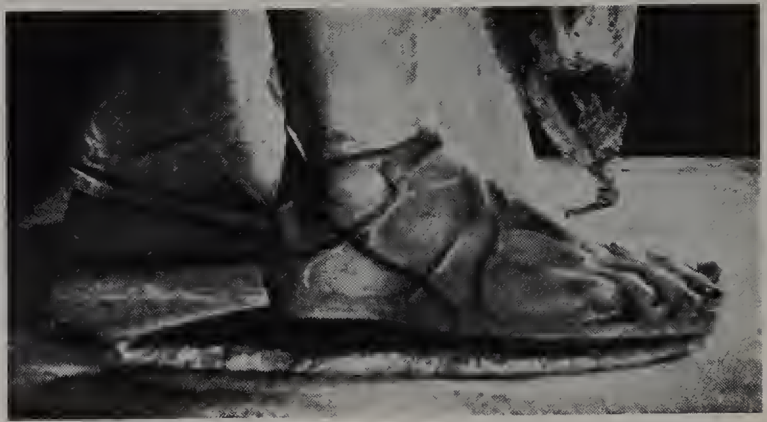


Fig. 667. Foot of the Hermes by Praxiteles (see Fig. 664)
(Cf. p. 258)

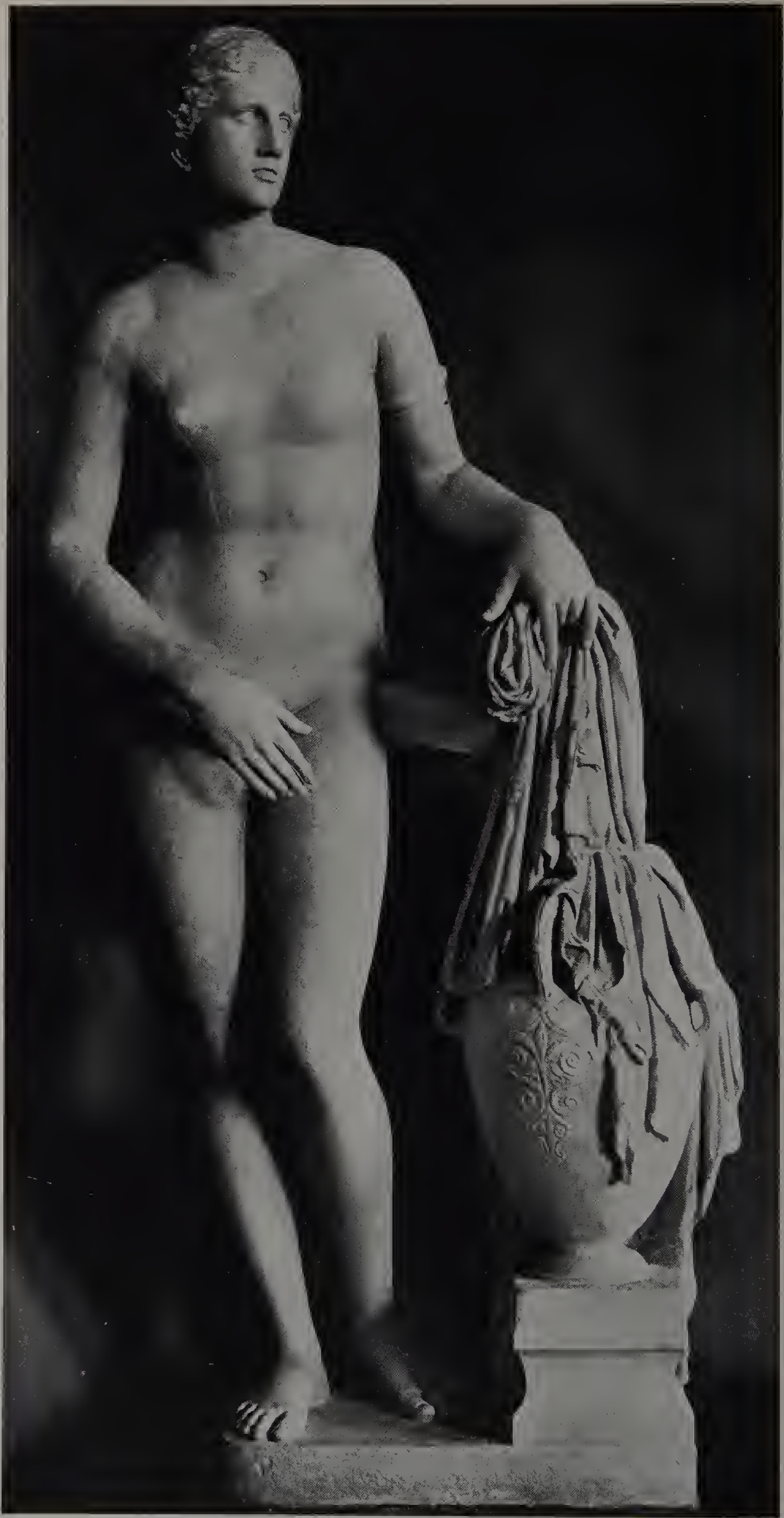


Fig. 668. Reconstruction of the Aphrodite of Knidos: body of the Vatican figure, the Kaufmann head, and some restorations (from a cast)
(Cf. pp. 58, 259)

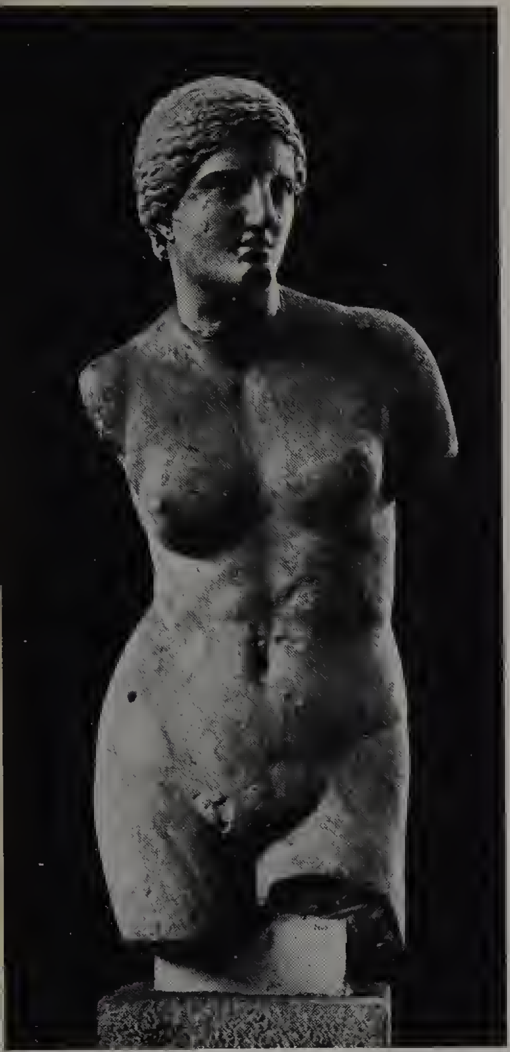


Fig. 669. Torso of Aphrodite in the Musée Cinquantenaire, Brussels, with a cast of the head in the Glyptotek Ny Carlsberg, Copenhagen

(Cf. p. 259)

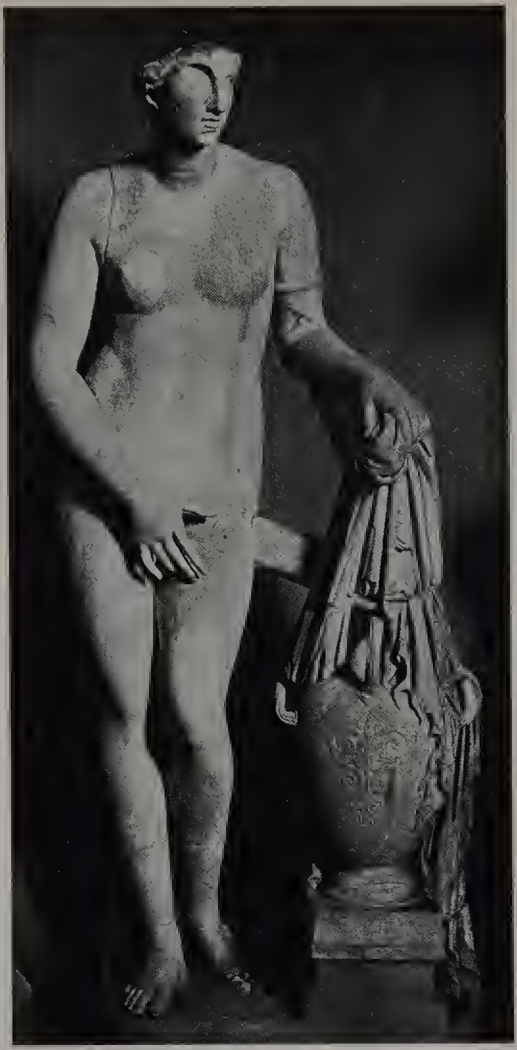


Fig. 670. Aphrodite

The Magazzini of the Vatican, Rome

(Cf. p. 259)

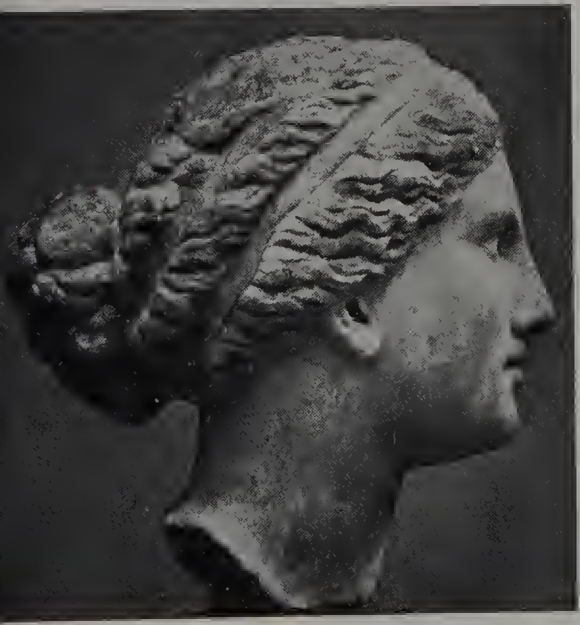


Fig. 671. Head of Aphrodite

The Kaufmann Collection, Berlin

(Cf. p. 260)

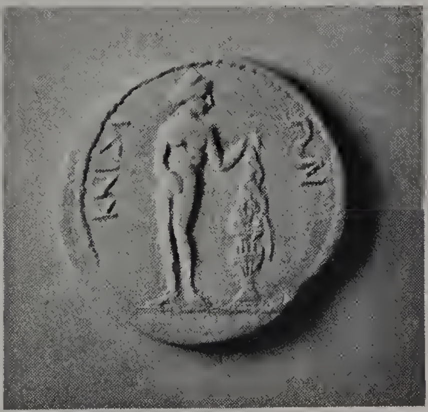


Fig. 672. Aphrodite, on a coin of Knidos (from a cast)

Bibliothèque Nationale, Paris

(Cf. p. 259)

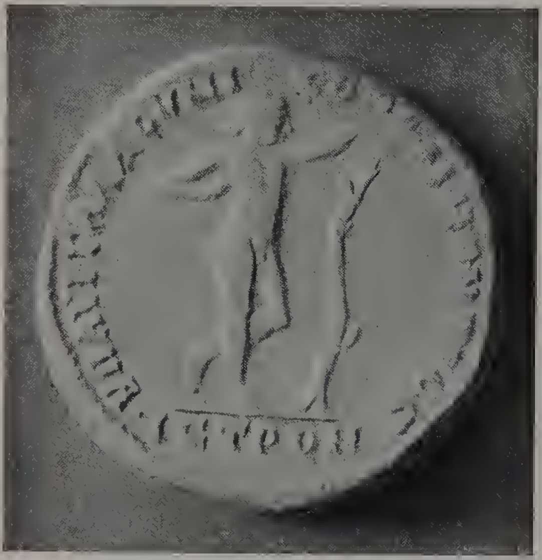


Fig. 673. Apollo Sauroktonos, on a coin of Nikopolis (from a cast, enlarged)

British Museum, London

(Cf. p. 260)

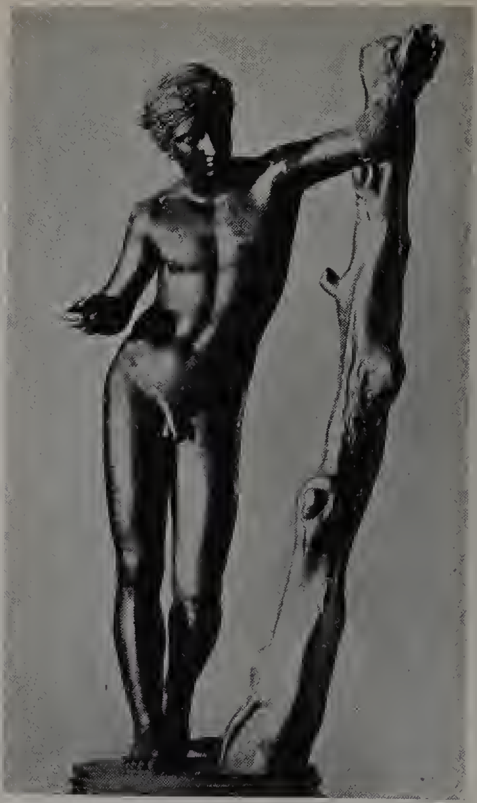


Fig. 674. Bronze statuette of the Apollo Sauroktonos

Villa Albani, Rome

(Cf. p. 261)

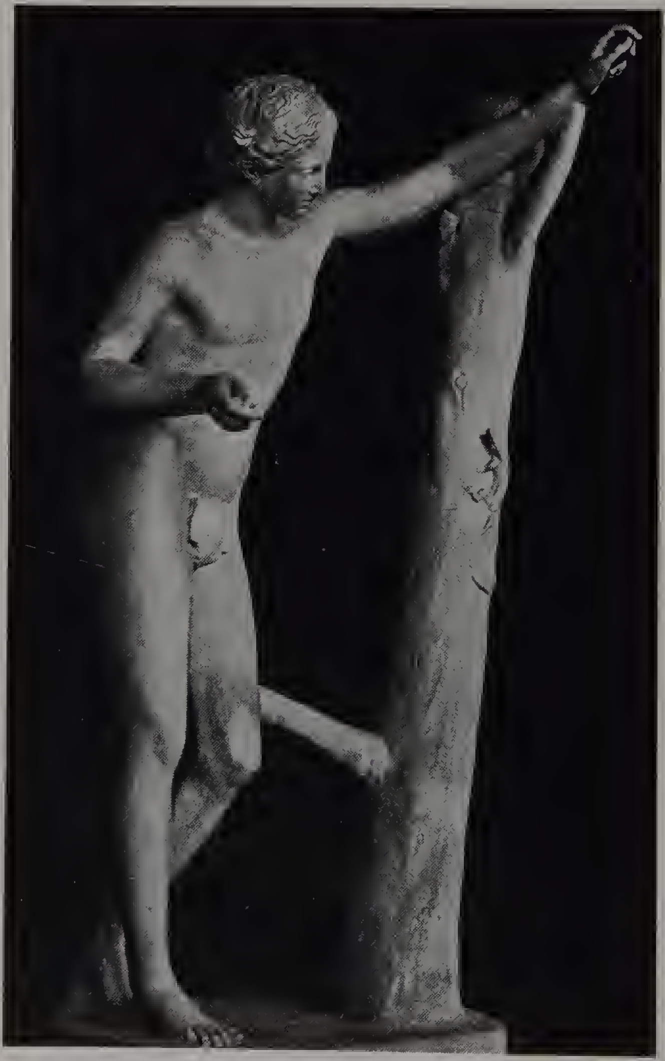


Fig. 675. Apollo Sauroktonos

The Vatican, Rome

(Cf. pp. 58, 260)

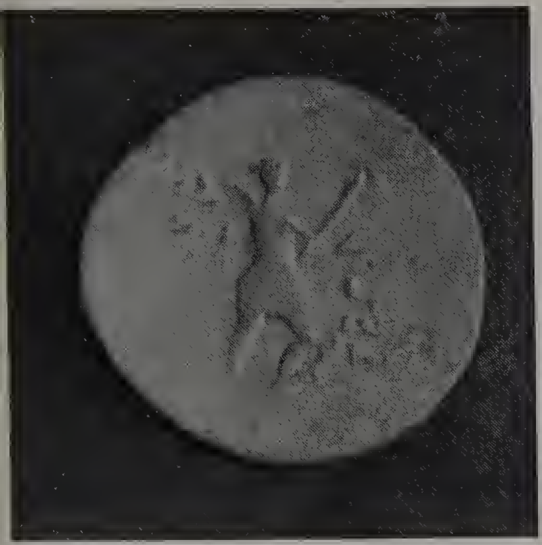


Fig. 677. Artemis, on a coin of Antikyra (from a cast, enlarged)
Staatliche Museen, Berlin
(Cf. p. 262)

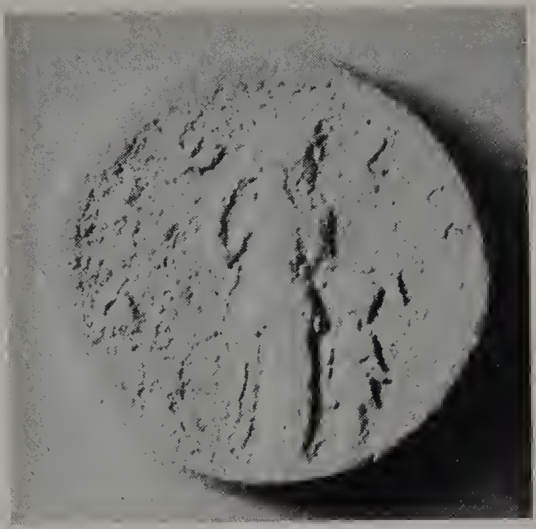


Fig. 678. Leto and Chloris, on a coin of Argos (from a cast, enlarged)
British Museum, London
(Cf. p. 262)

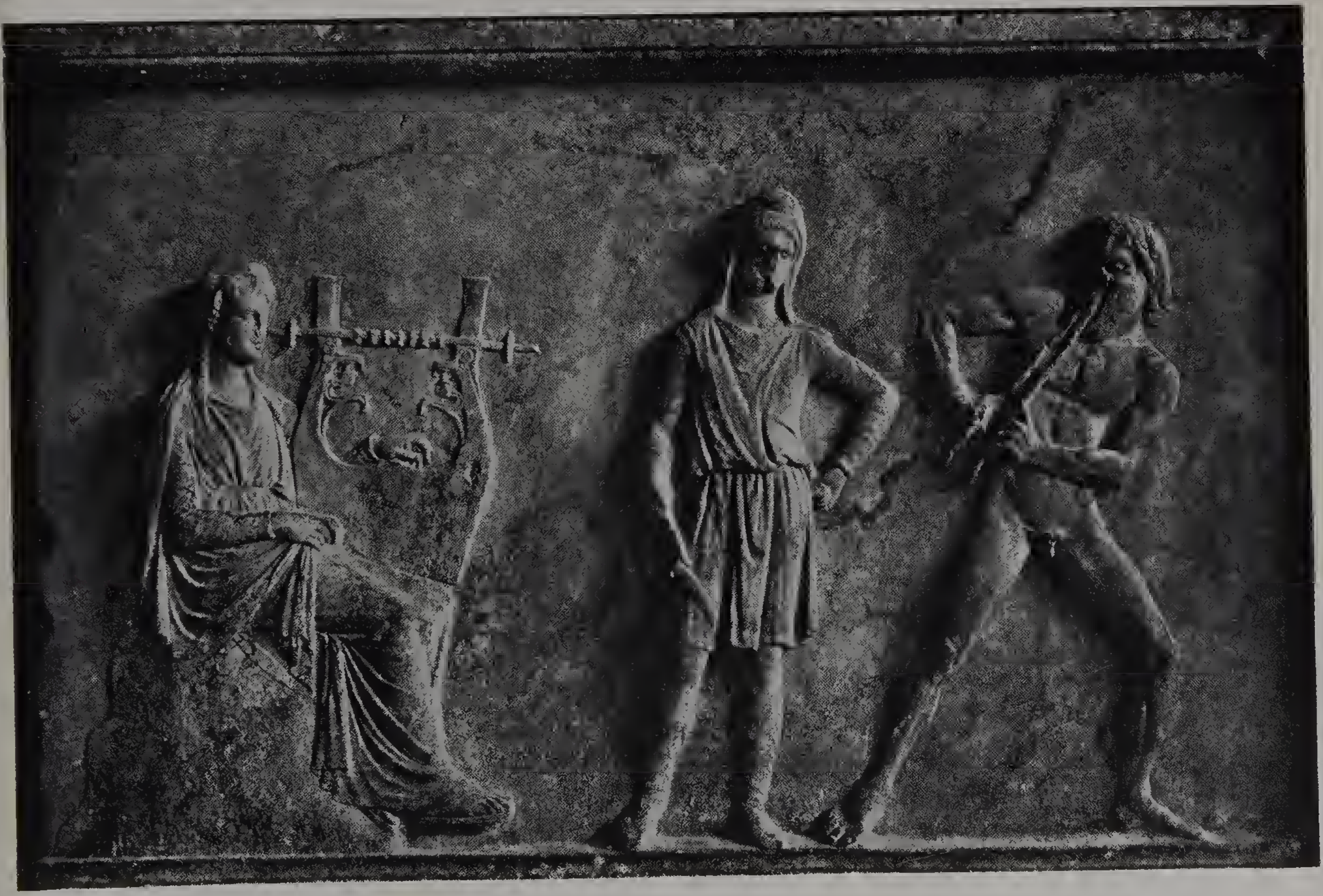


Fig. 679. Apollo and Marsyas, relief from the Mantineia base
National Museum, Athens
(Cf. p. 263)

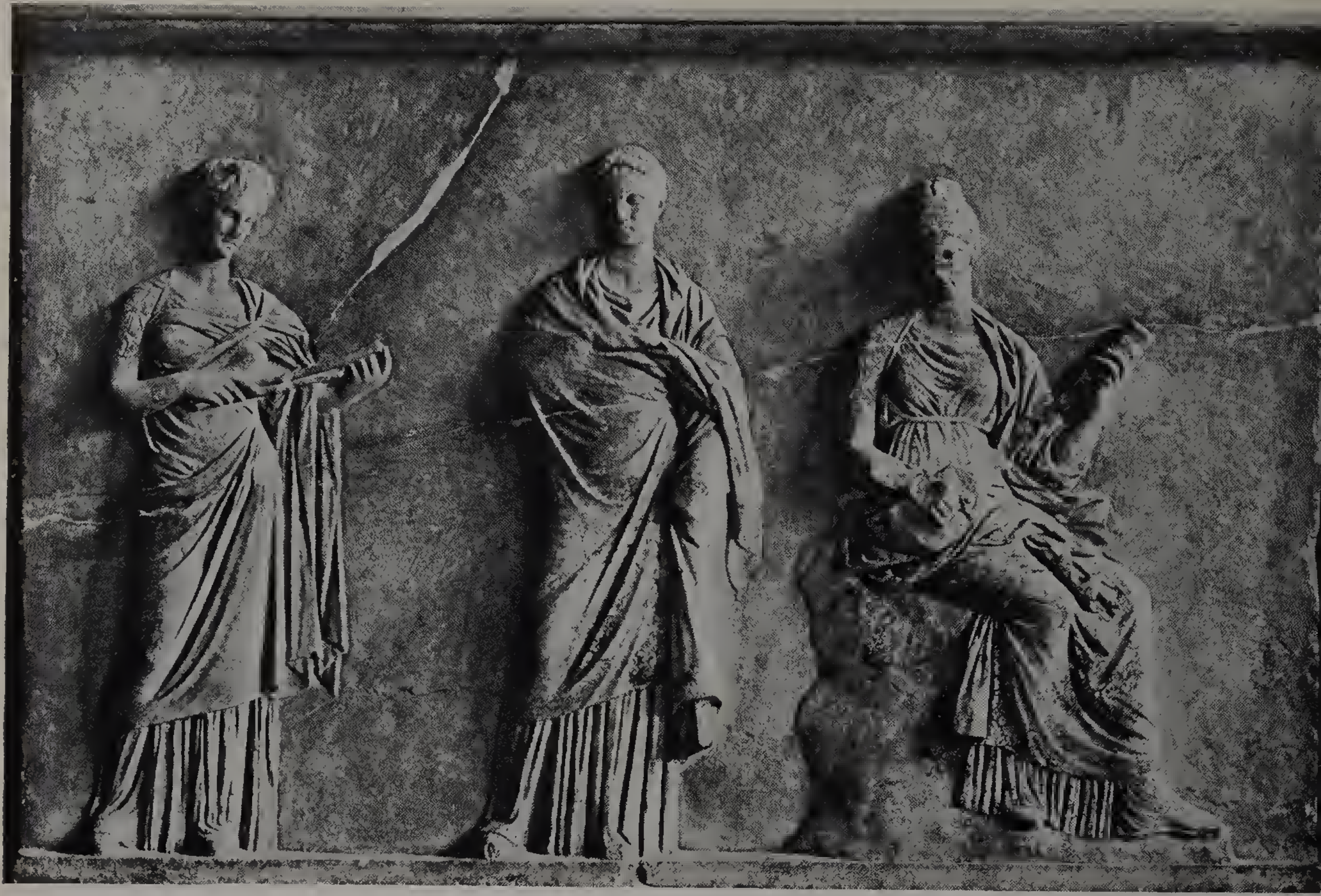


Fig. 680. Muses, relief from the Mantineia base
National Museum, Athens
(Cf. p. 263)

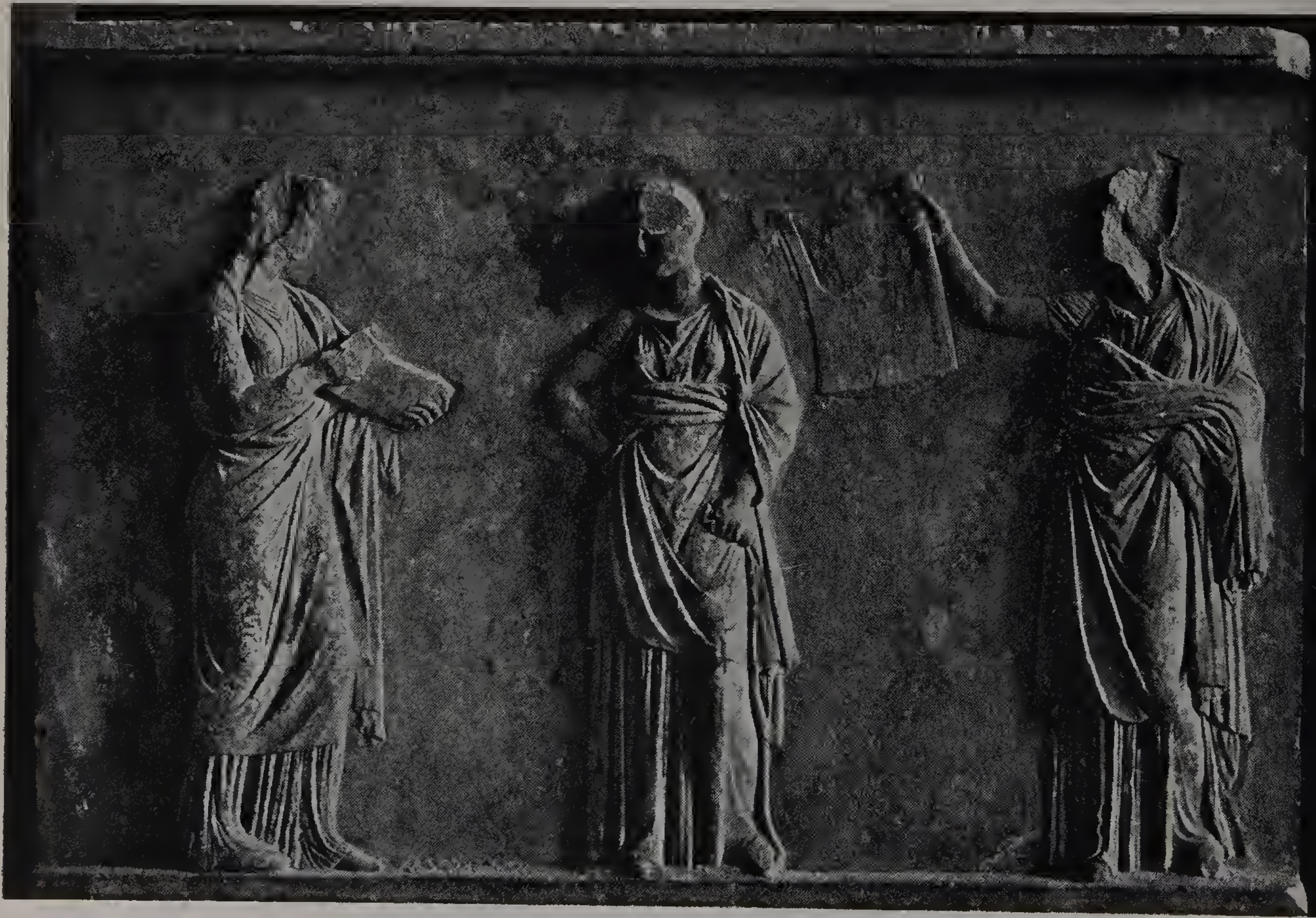


Fig. 681. Muses, relief from the Mantineia base
National Museum, Athens
(Cf. p. 263)

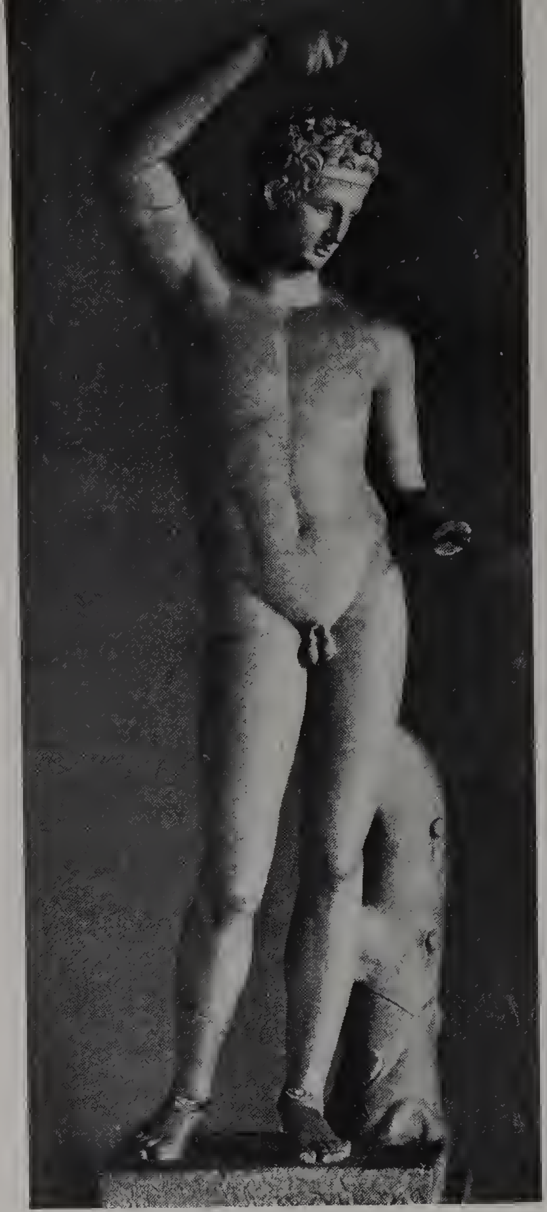


Fig. 682. Satyr
The Albertinum, Dresden
(Cf. pp. 58, 264)

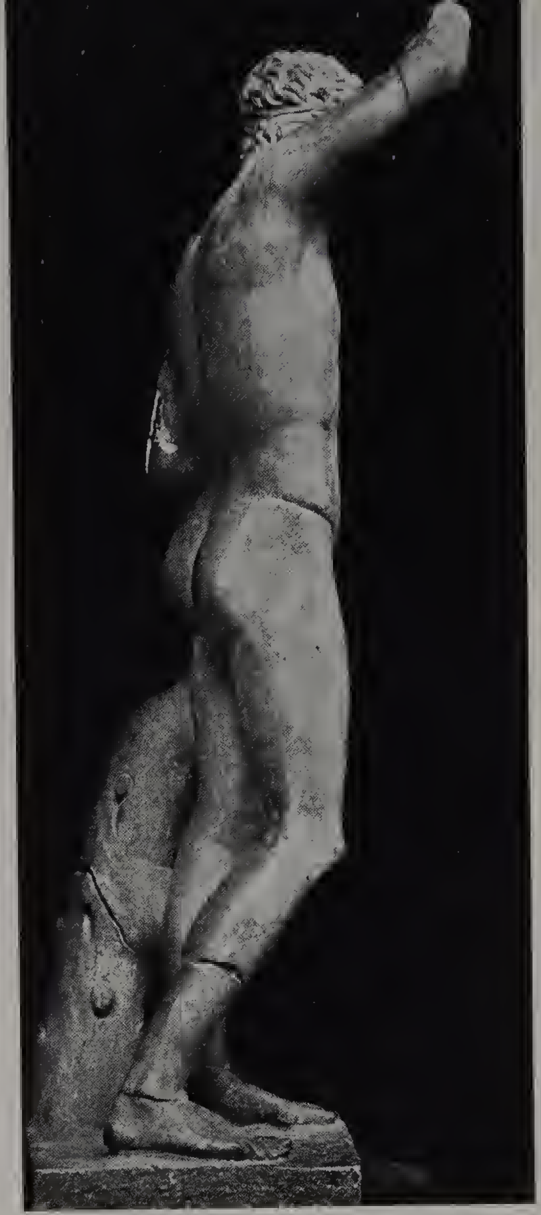


Fig. 683. Side view of Fig. 682

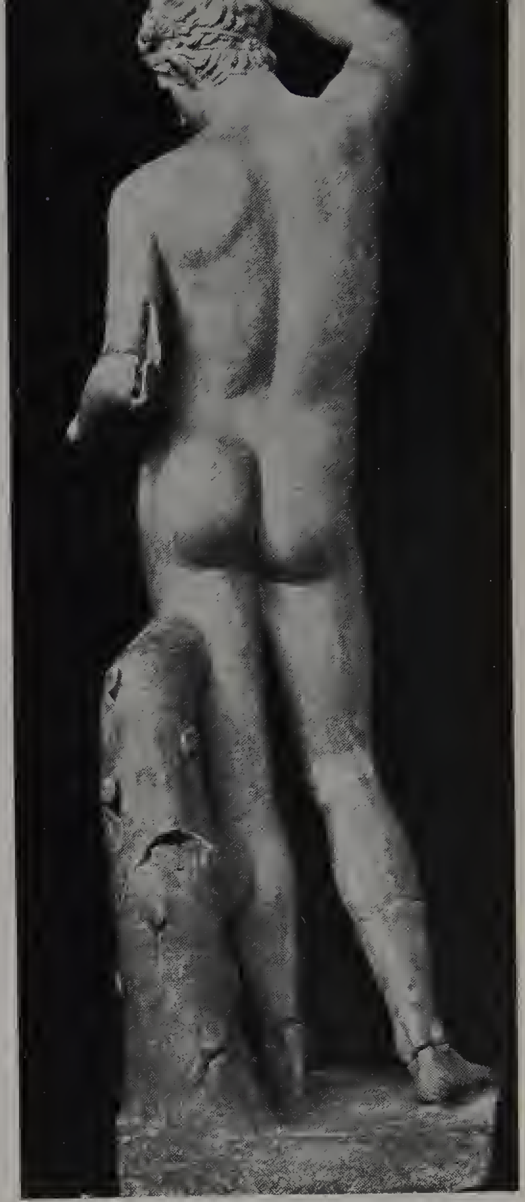


Fig. 684. Back view of Fig. 682

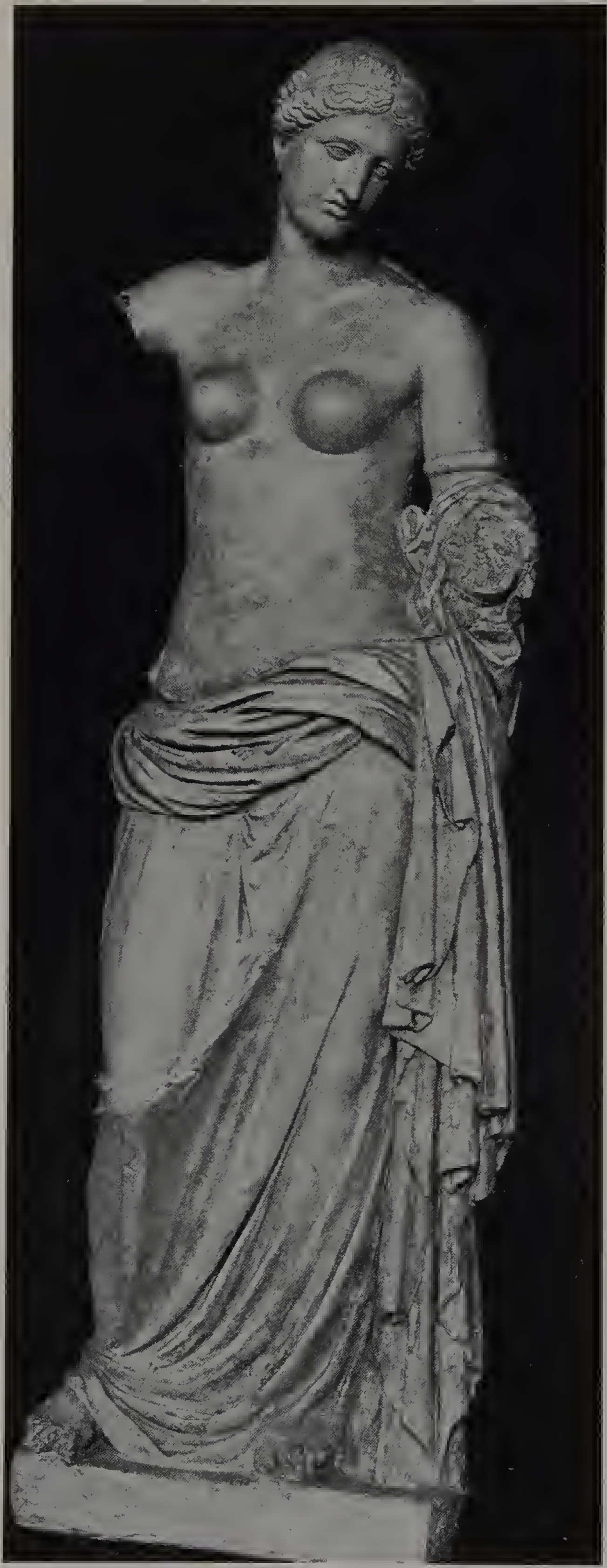


Fig. 685. Aphrodite of Arles

The Louvre, Paris

(Cf. p. 265)

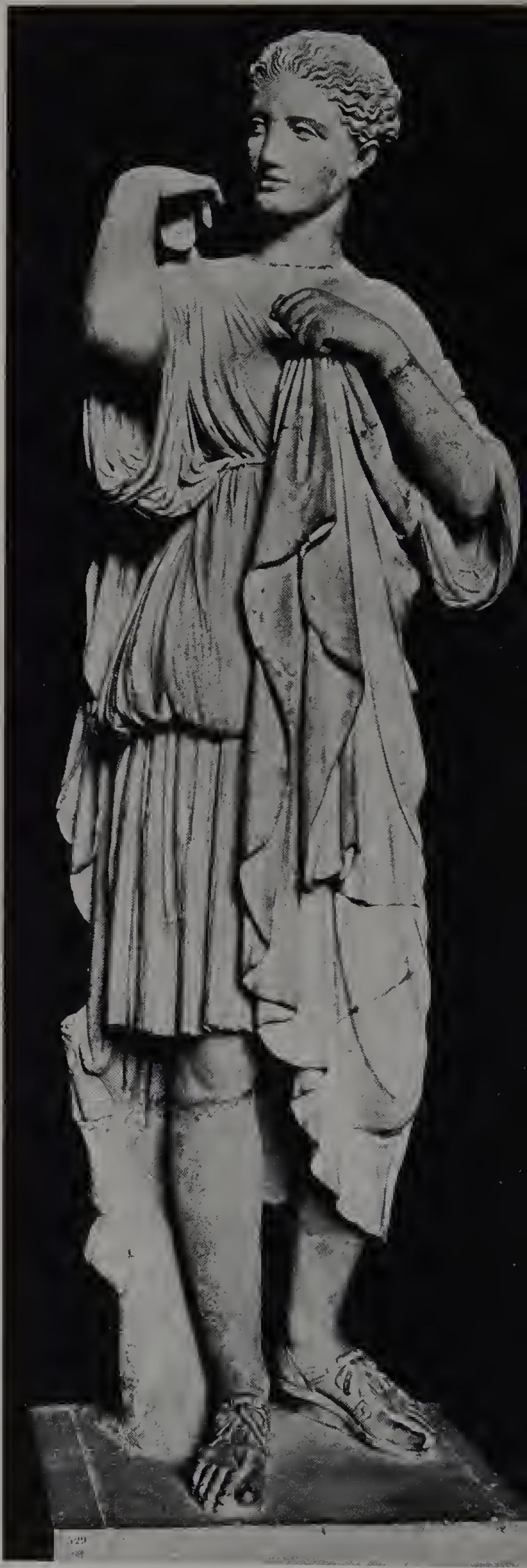


Fig. 686. Artemis of Gabii

The Louvre, Paris

(Cf. p. 265)

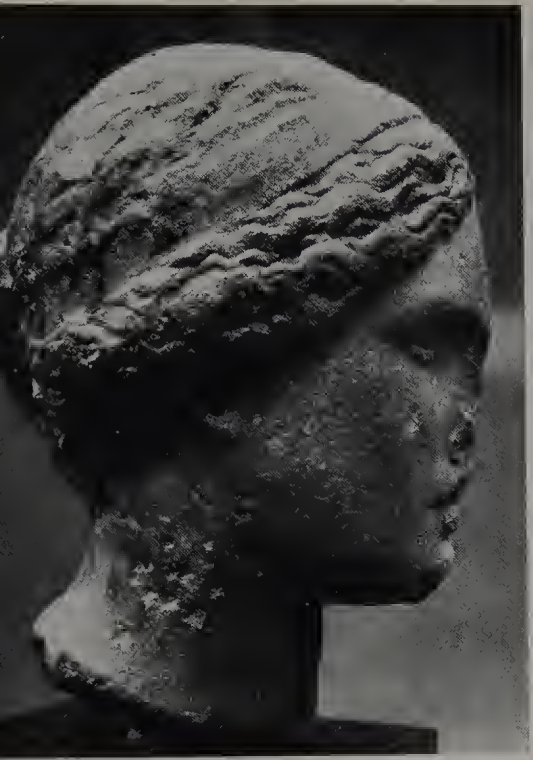


Fig. 687. Head of a girl, from the altar of Kos (profile view)

(Cf. p. 267)

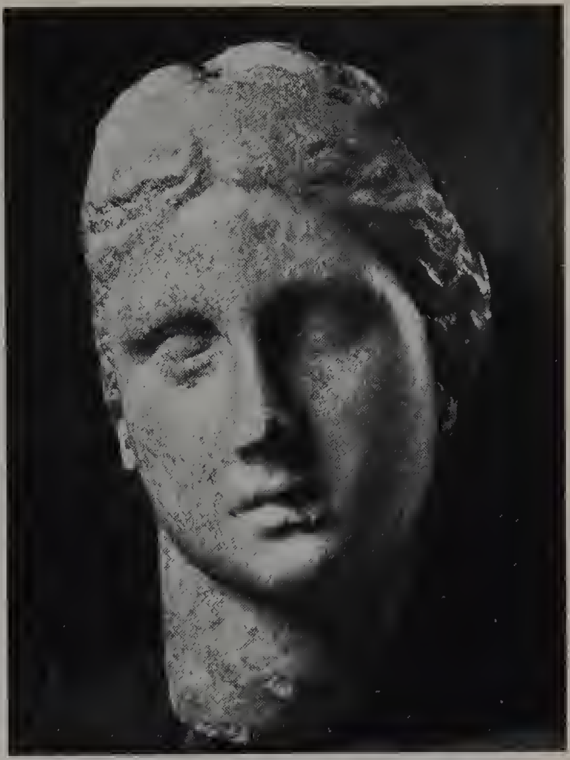


Fig. 688. Front view of Fig. 687, with restorations

(Cf. p. 267)

Musées d'Antiquités de Stamboul (*Constantinople*)

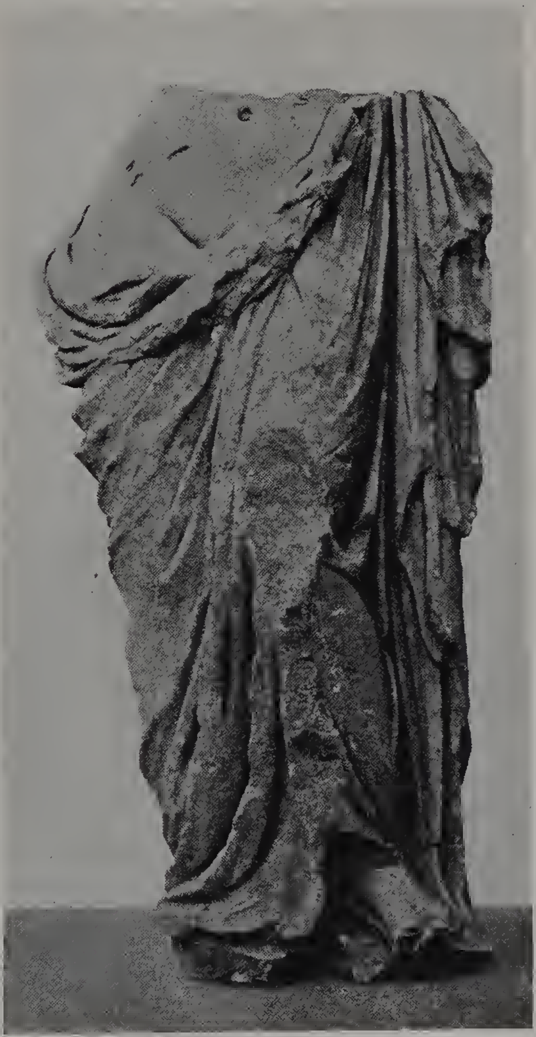


Fig. 689. Lower half of a female figure from the altar of Kos (cf. p. 267)

Musées d'Antiquités de Stamboul (*Constantinople*)

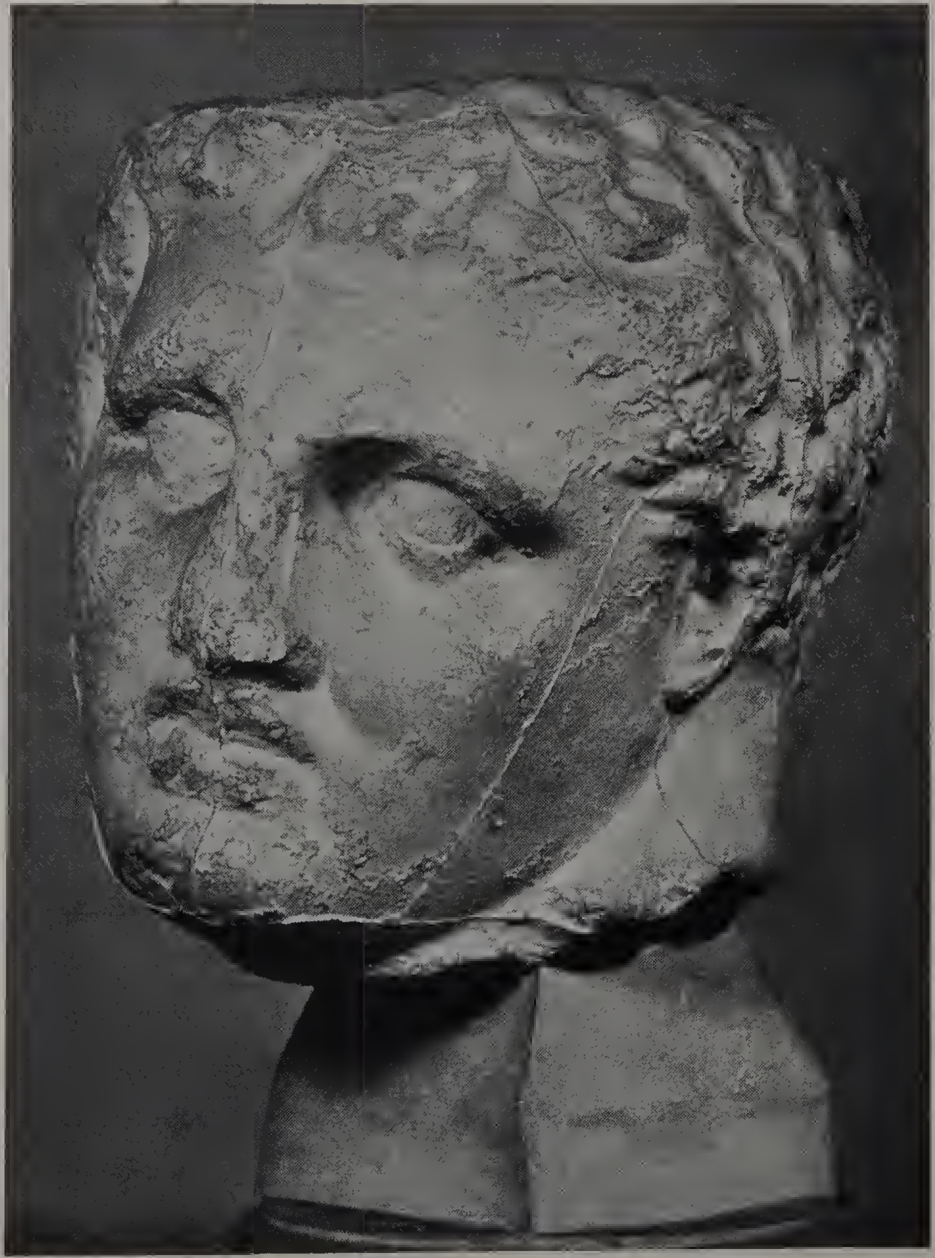


Fig. 690. Head, from the temple of Athena Alea at Tegea (from a cast)

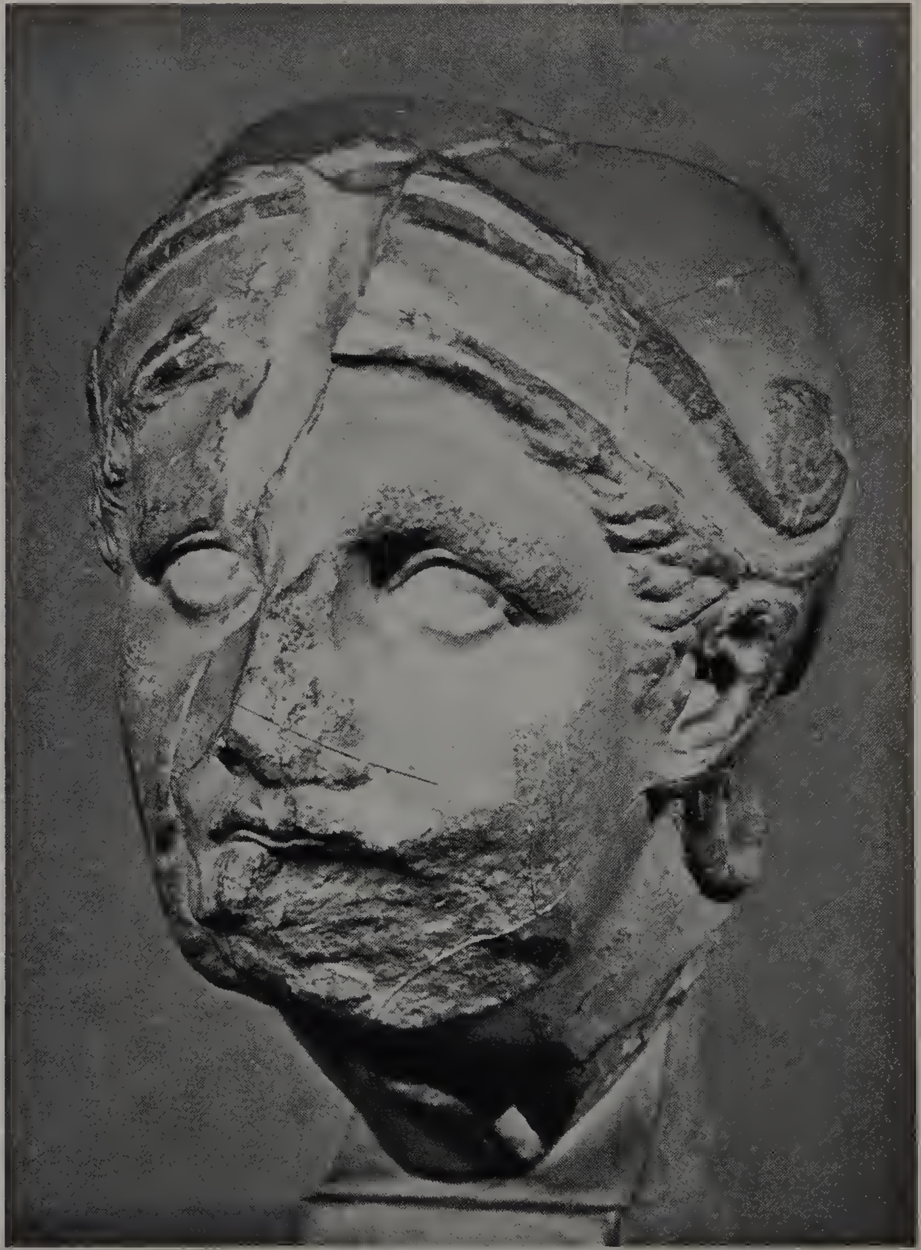


Fig. 691. Head, from the temple at Tegea (from a cast)

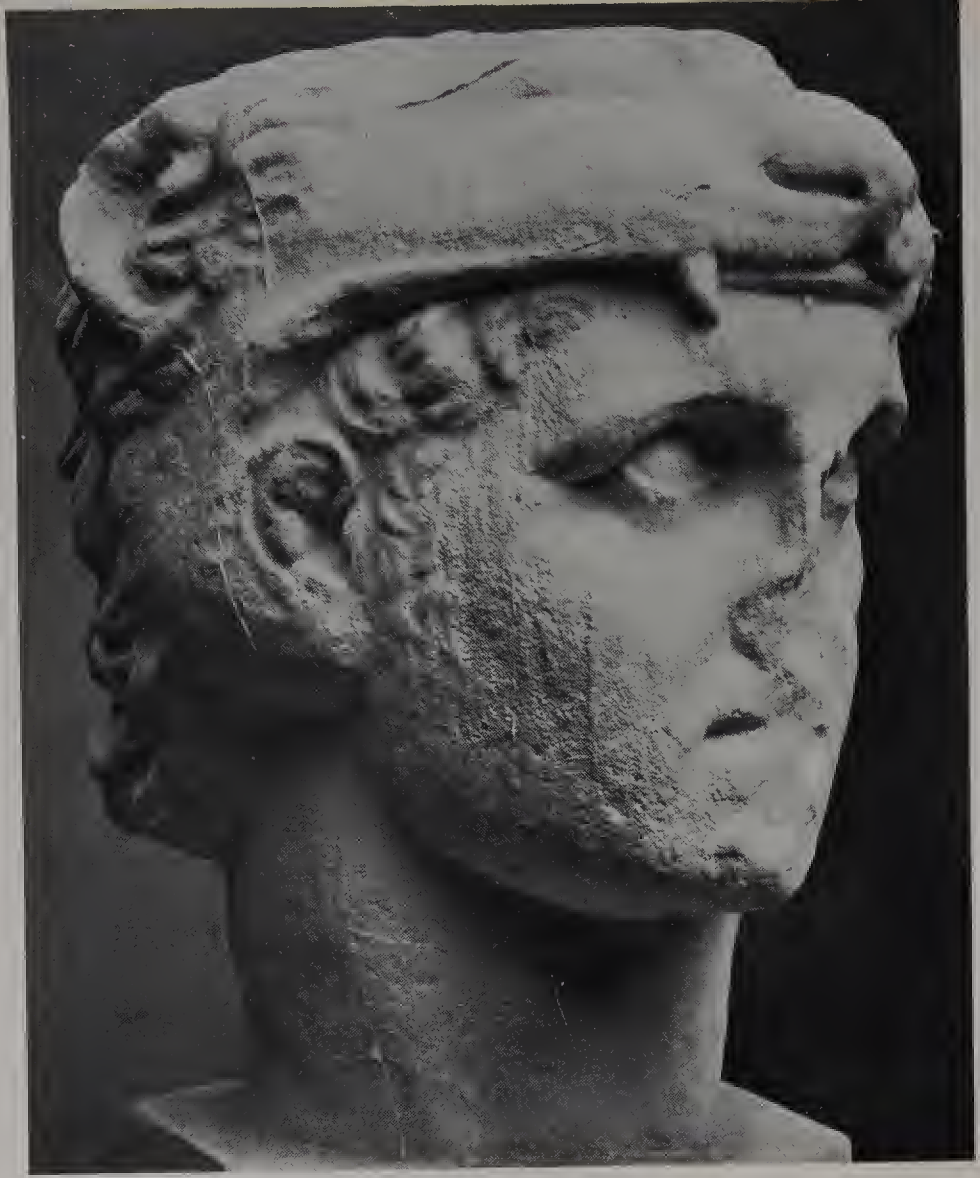


Fig. 692. Head of Herakles, from the temple at Tegea (from a cast)
Tegea Museum
(Cf. pp. 81, 268)

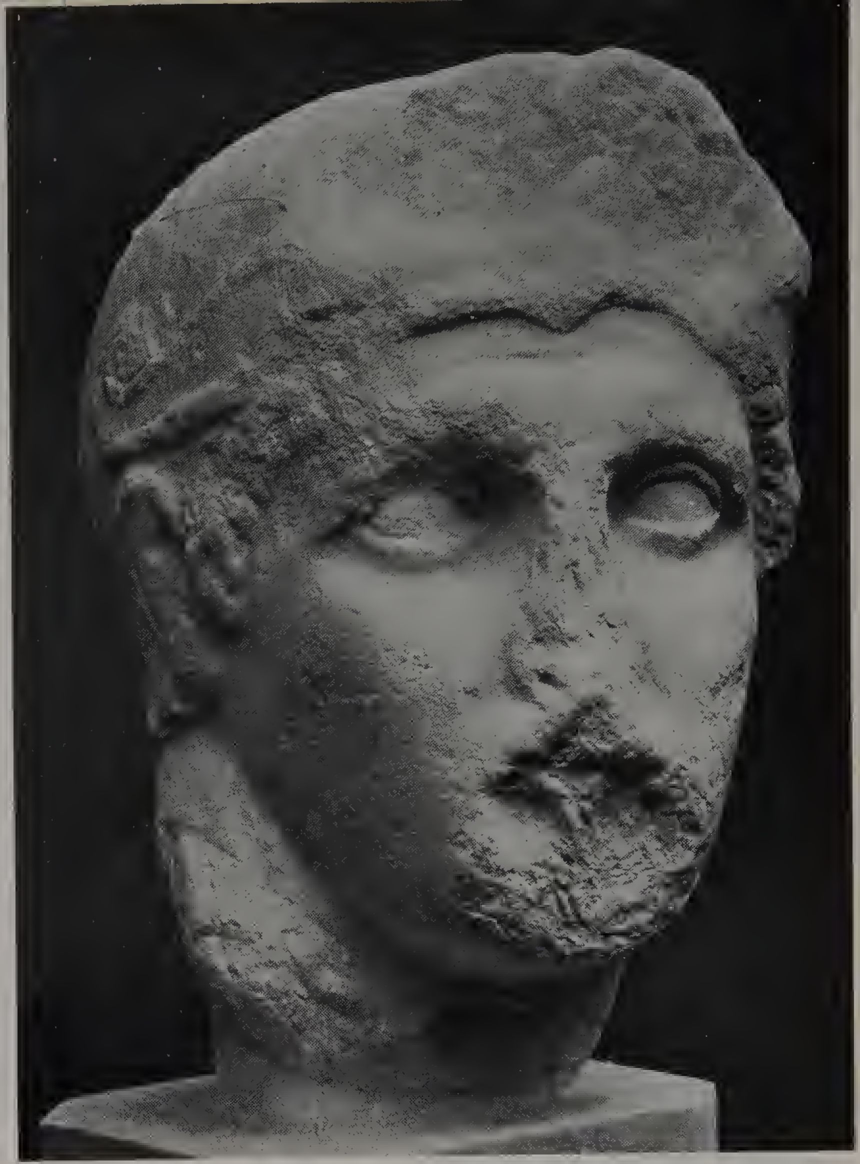


Fig. 693. Head of a warrior, from the temple at Tegea (from a cast)
Tegea Museum
(Cf. pp. 81, 268)

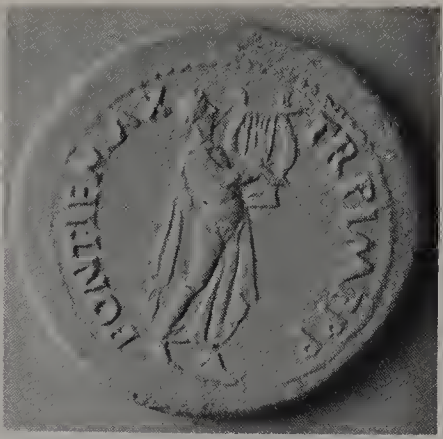


Fig. 694. Apollo, on a coin of Nero (from a cast, enlarged)
British Museum, London
(Cf. p. 273)

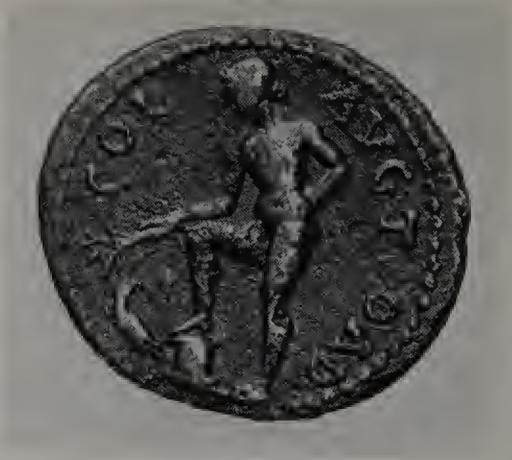


Fig. 695. Apollo, on a coin of Alexandria Troas, enlarged
E. T. Newell Collection, New York
(Cf. p. 272)

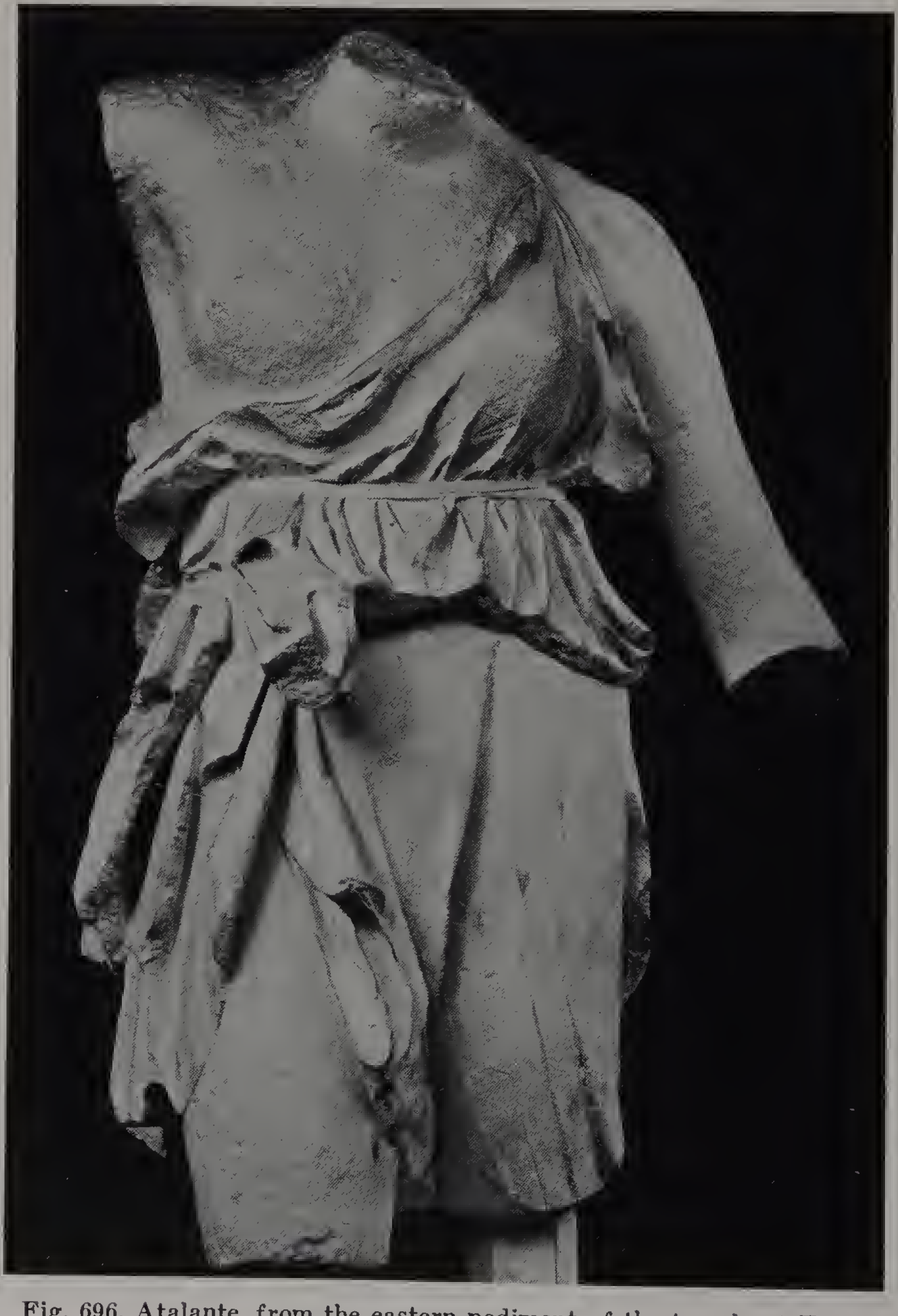
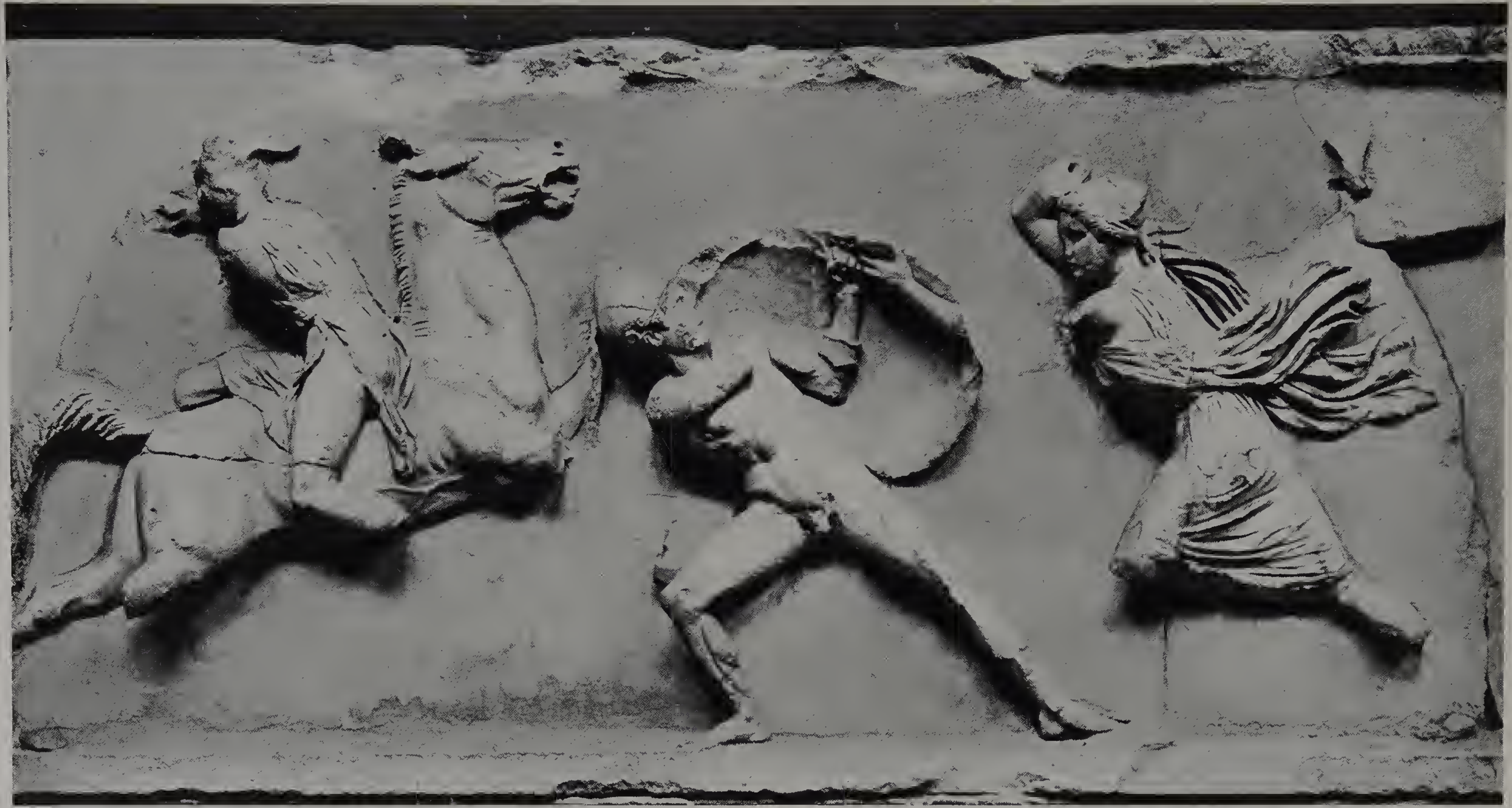


Fig. 696. Atalante, from the eastern pediment of the temple at Tegea (from a cast) (cf. p. 268)
Tegea Museum

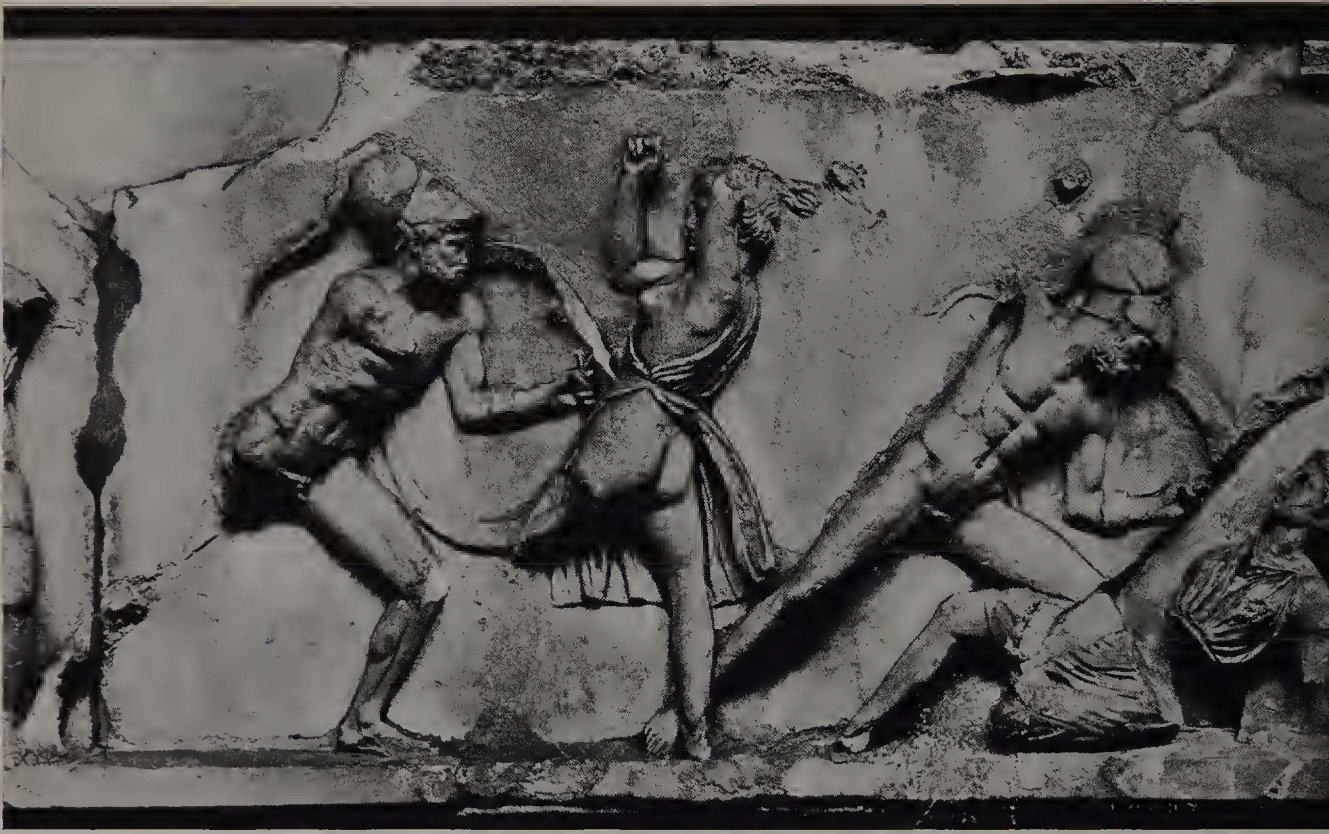


Photograph by W. F. Mansell

Fig. 697. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 112, 131, 173, 270)

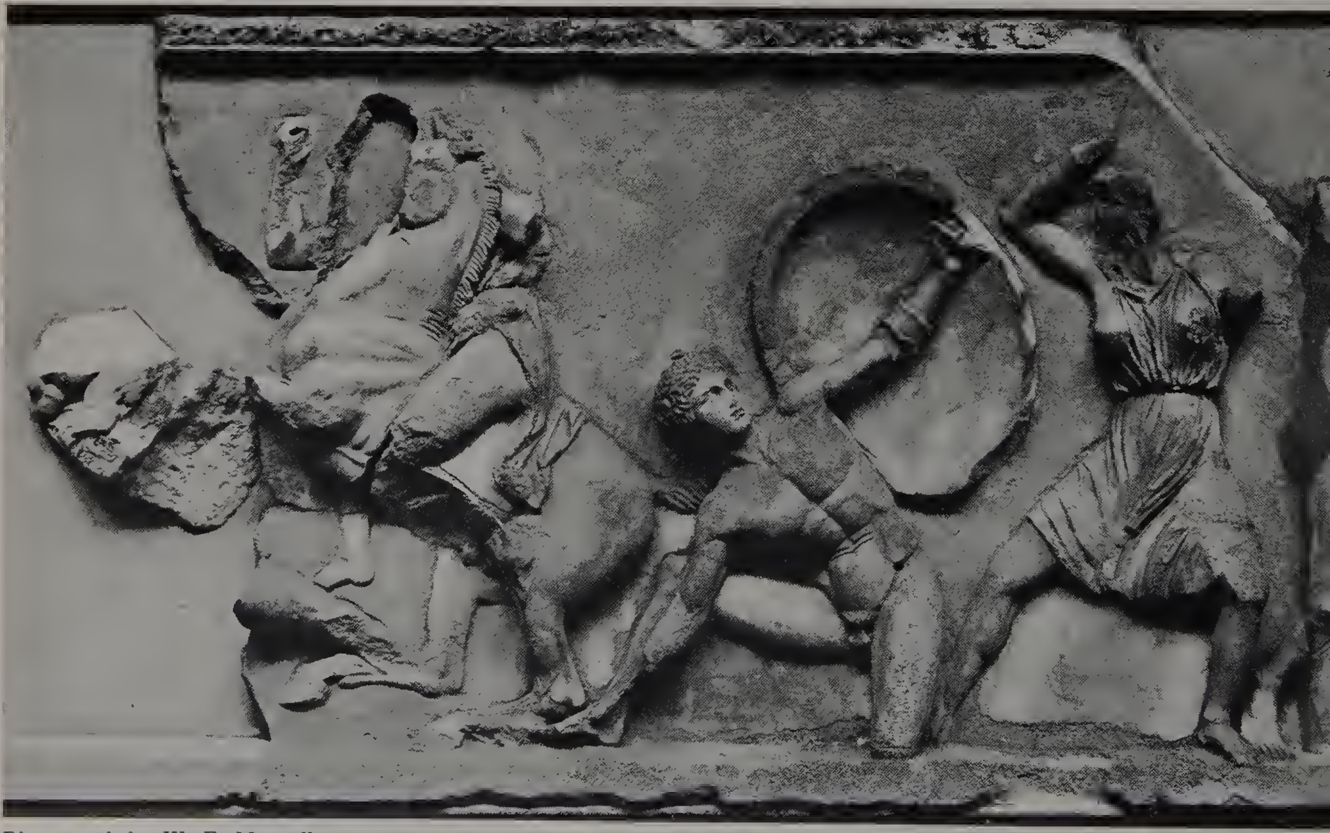


Photograph by W. F. Mansell

Fig. 698. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 66, 131, 173, 270)

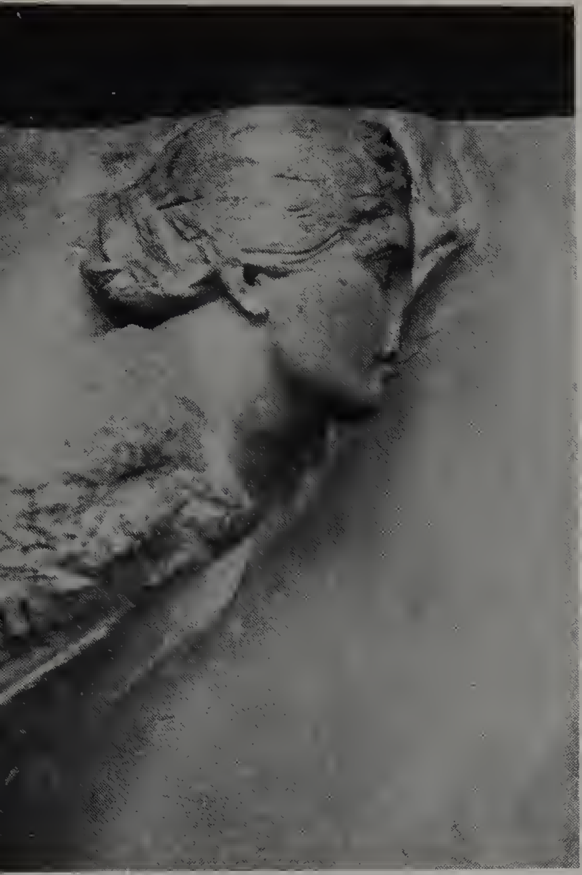


Photograph by W. F. Mansell

Fig. 699. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 131, 173, 270)



700. Head of a charioteer, from a frieze of the Mausoleum

British Museum, London

(Cf. p. 271)

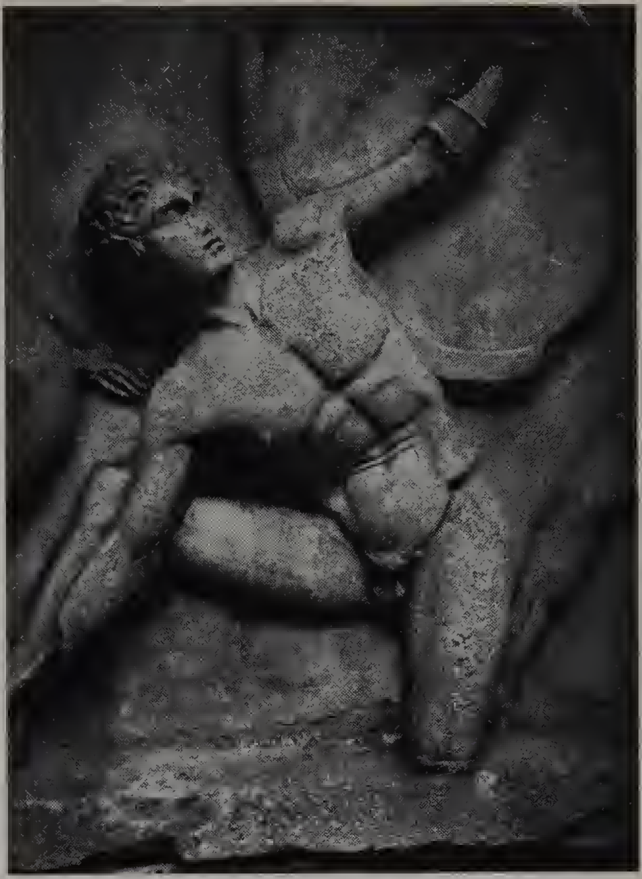


Fig. 701. Greek warrior. Detail of Fig. 699

(Cf. p. 271)

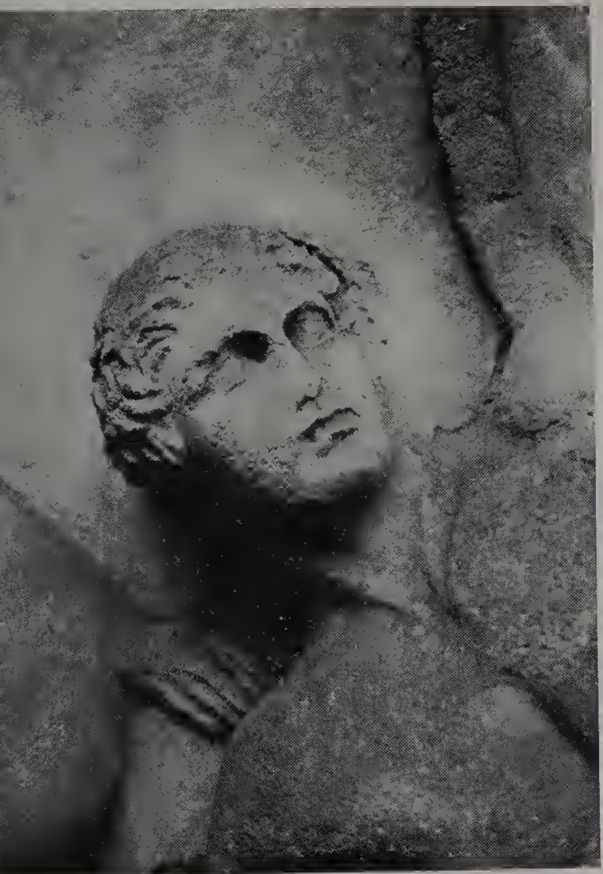


Fig. 702. Detail of head of Fig. 701

(Cf. p. 271)

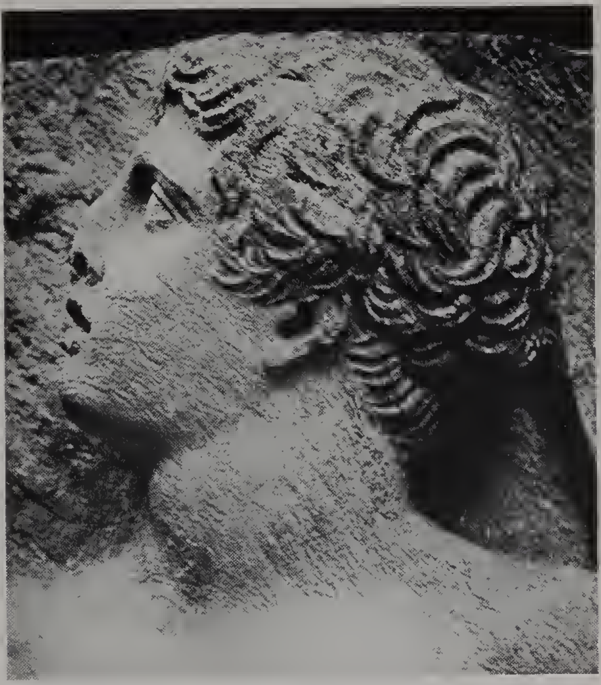


Fig. 703. Head of Hermes (see Fig. 705)

(Cf. p. 271)

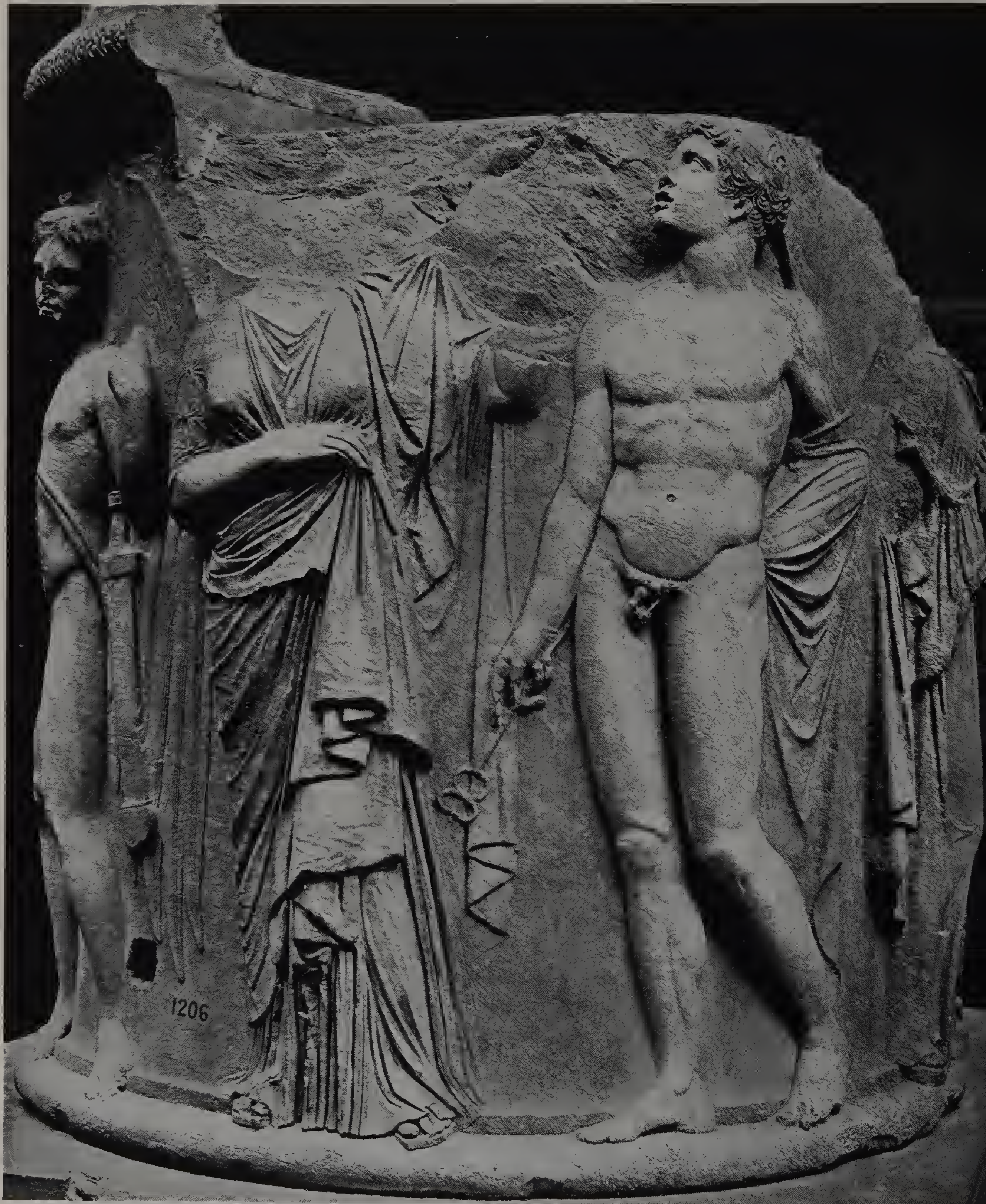


Fig. 705. Sculptured drum from a column of the temple of Artemis at Ephesos
British Museum, London
(Cf. pp. 58, 105, 269, 271)

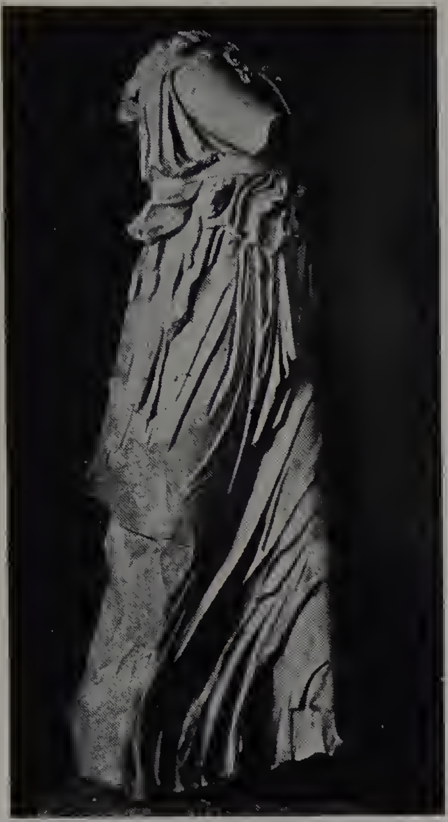


Fig. 706. Apollo
Musée d'Art et d'Histoire, Geneva
(Cf. p. 273)

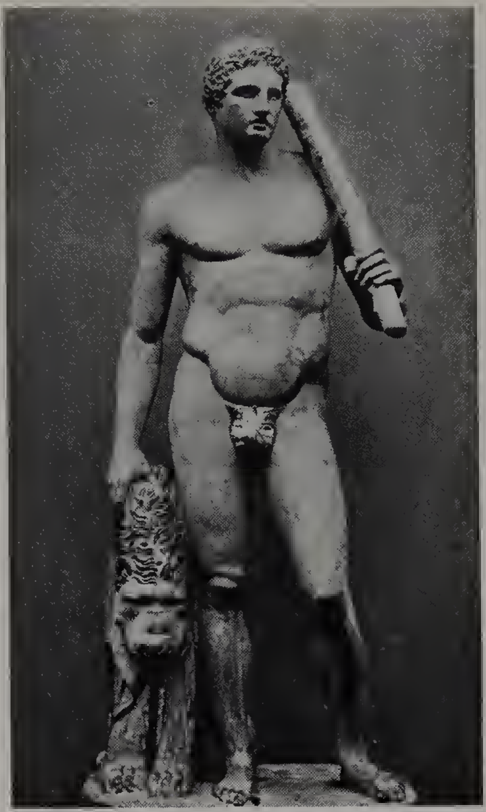


Fig. 707. Herakles (from a cast)
Lansdowne Collection
(Cf. pp. 180, 274)

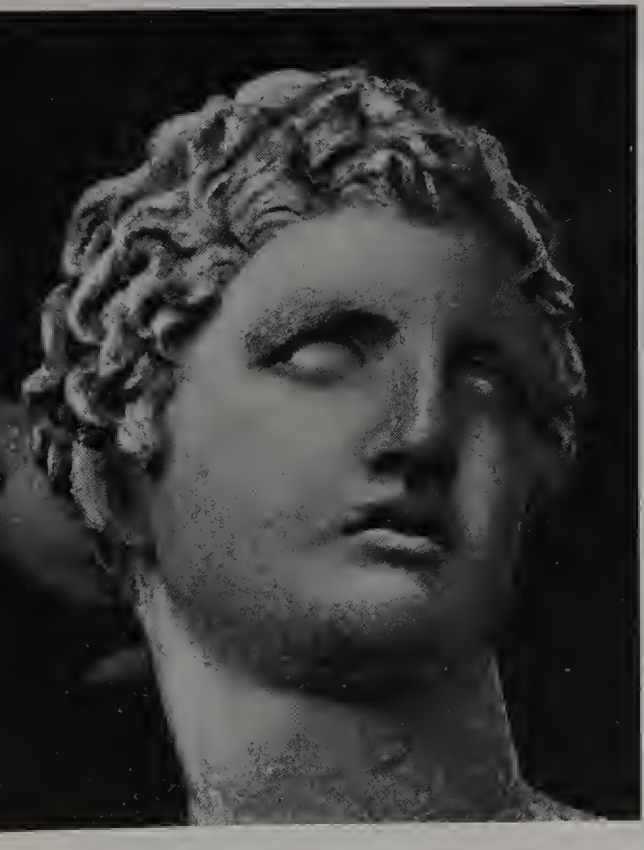


Fig. 708. Head of Meleager
The Garden of the Villa Medici, Rome
(Cf. p. 274)

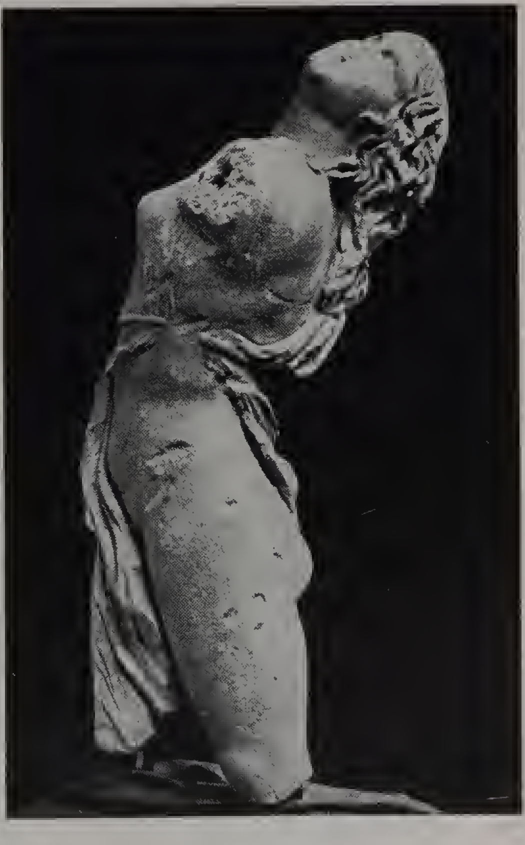
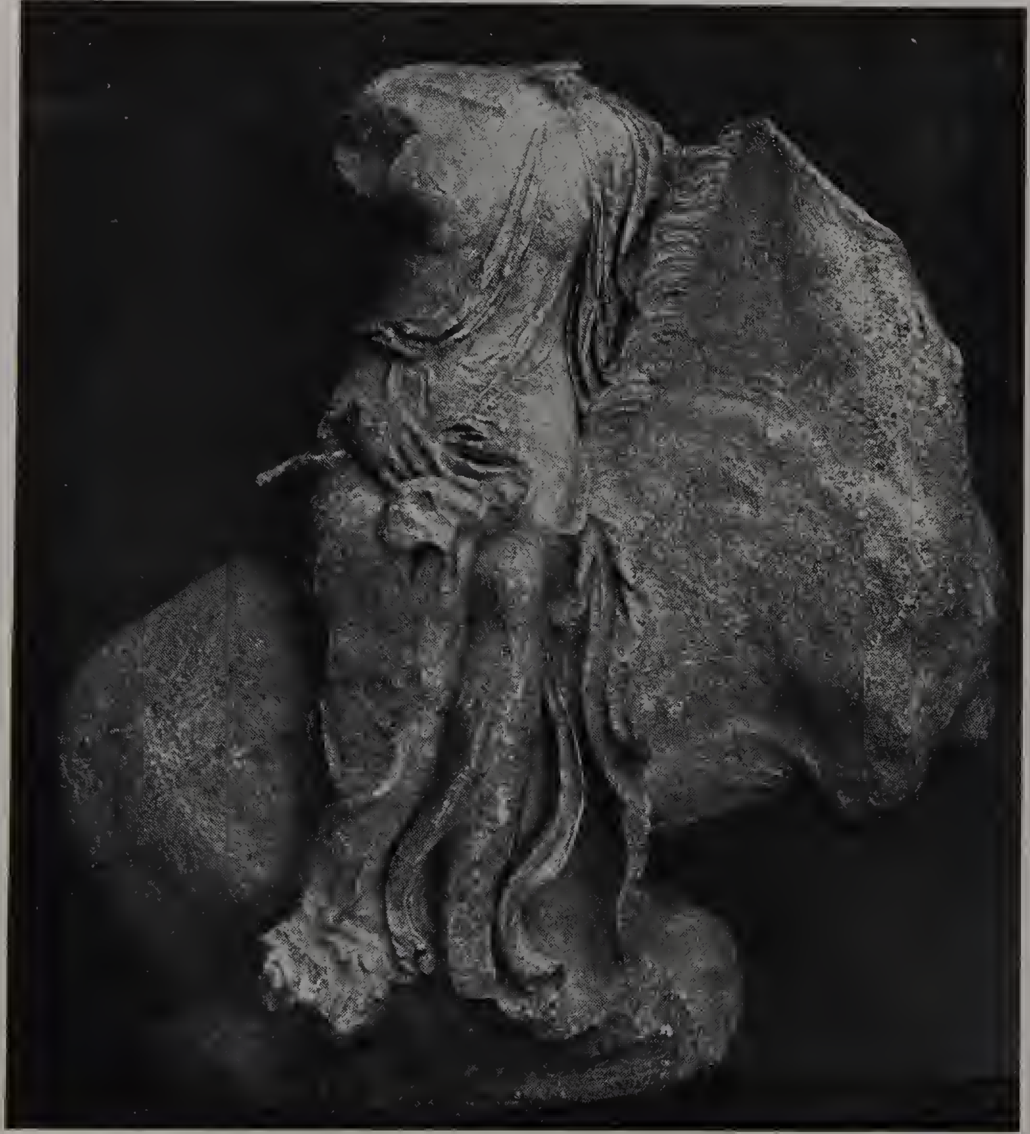
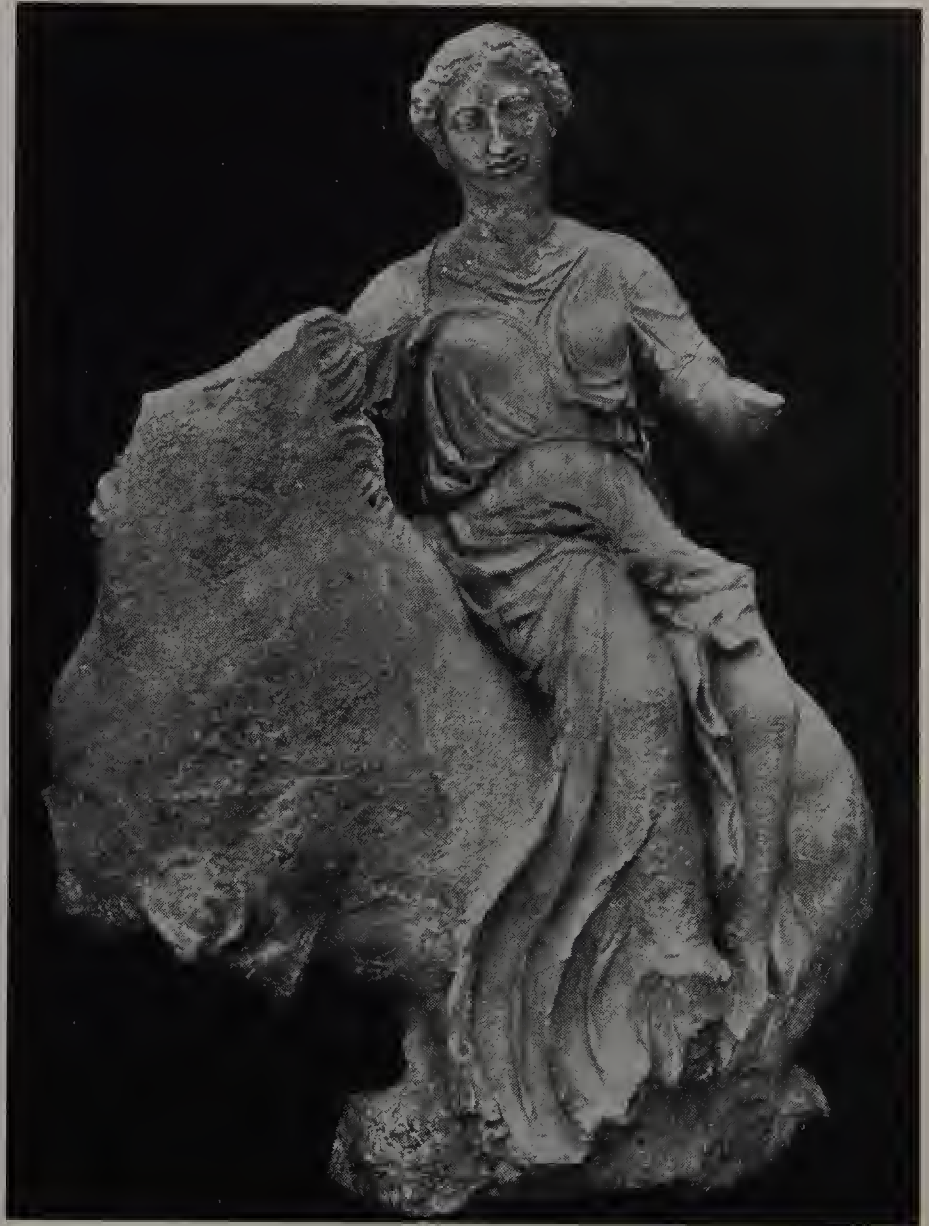


Fig. 709. Maenad
The Albertinum, Dresden
(Cf. p. 274)





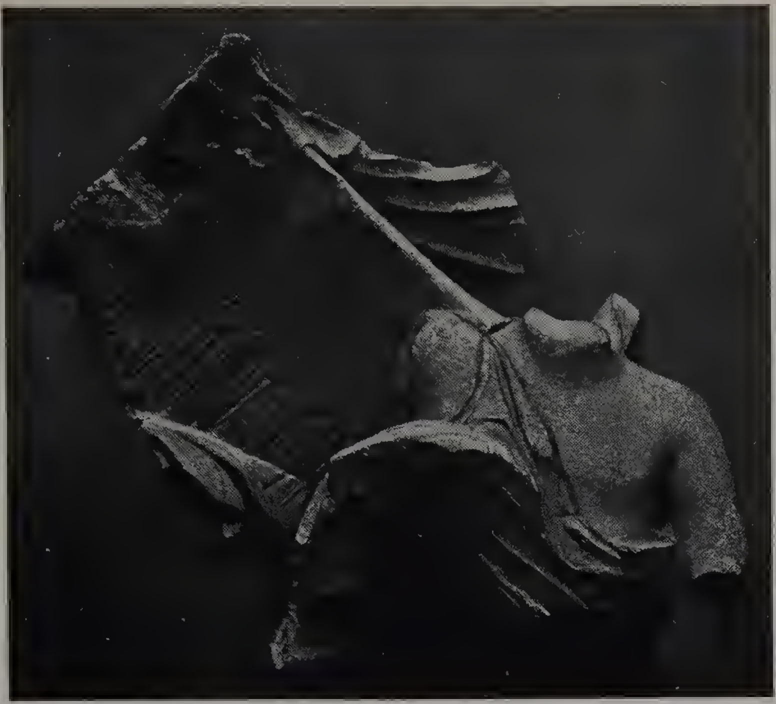


Fig. 712. Nike, akroterion (?) of the temple of Asklepios at Epidauros (cf. pp. 104, 277)

National Museum, Athens

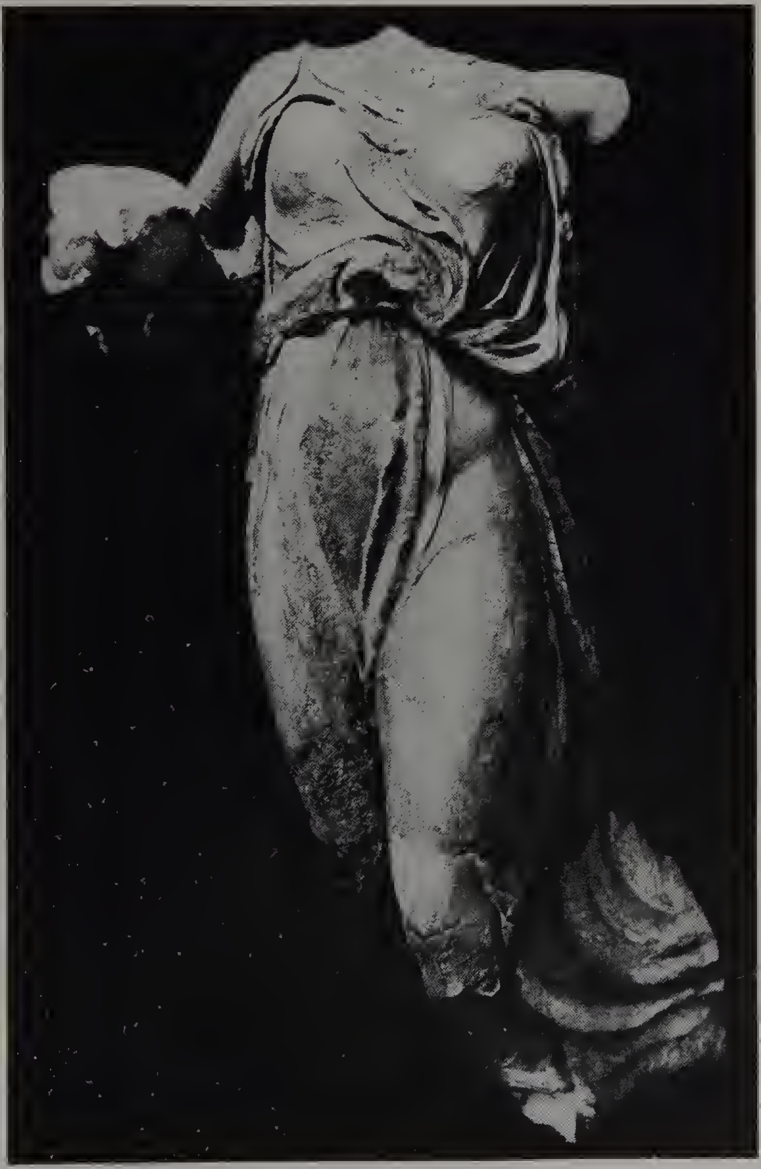


Fig. 713. Nike, akroterion of the temple of Asklepios at Epidauros (cf. pp. 64, 104, 277)

National Museum, Athens

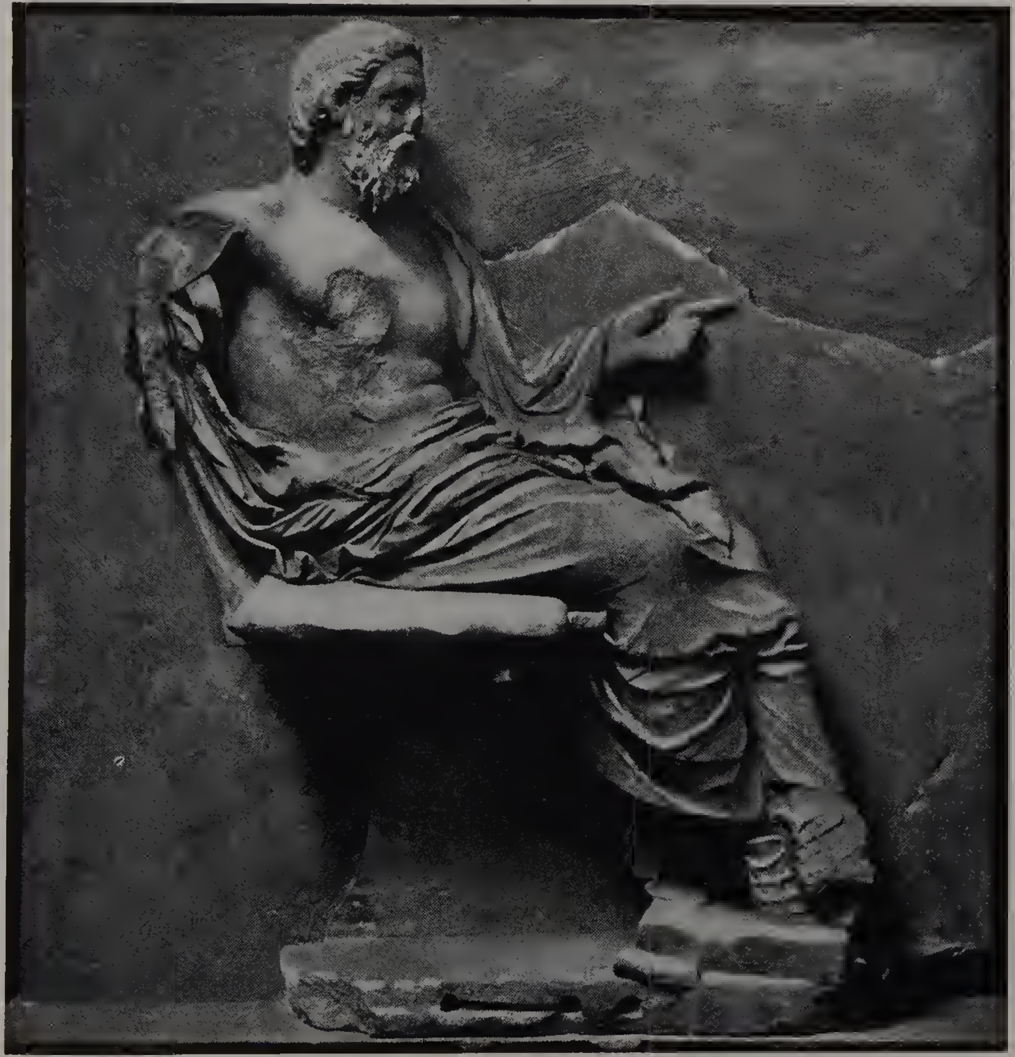


Fig. 714. Relief of Asklepios, from Epidauros
National Museum, Athens
(Cf. p. 277)

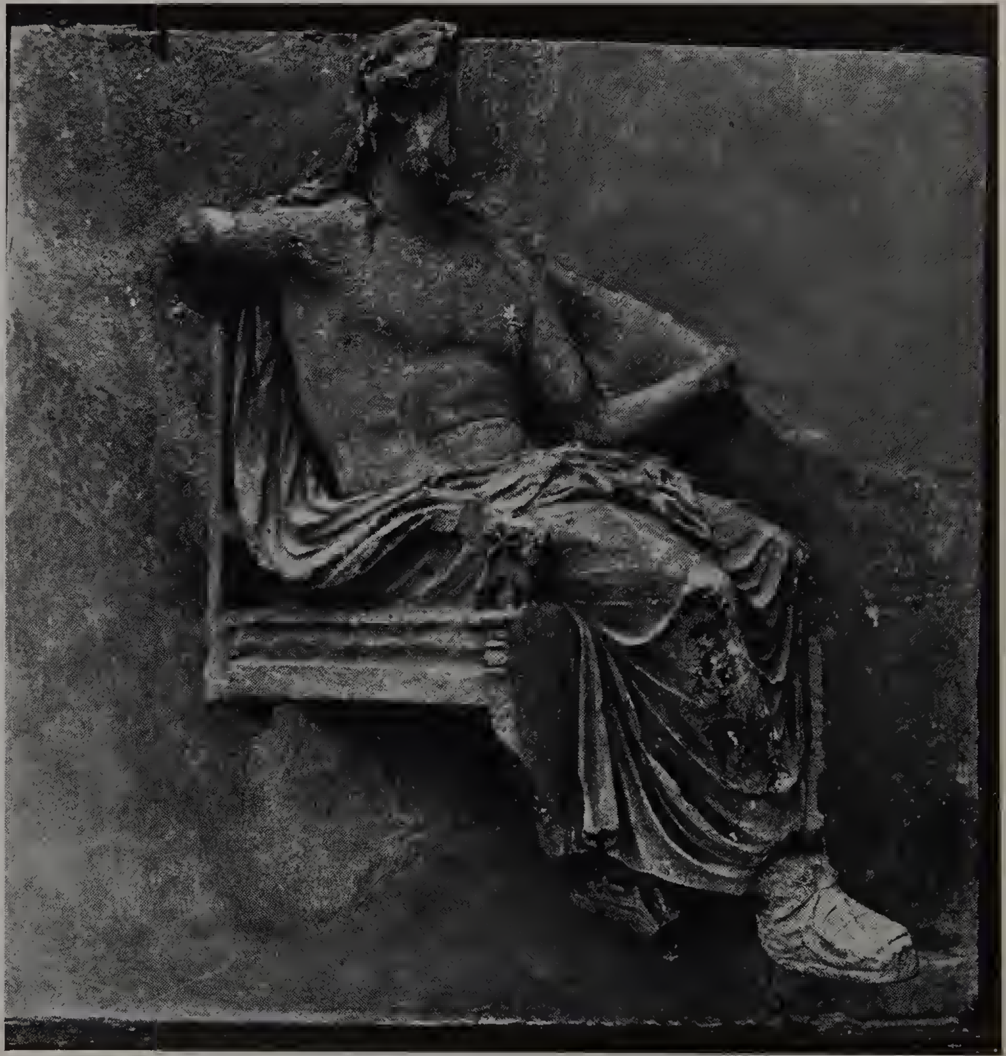


Fig. 715. Relief of Asklepios, from Epidauros
National Museum, Athens
(Cf. p. 277)

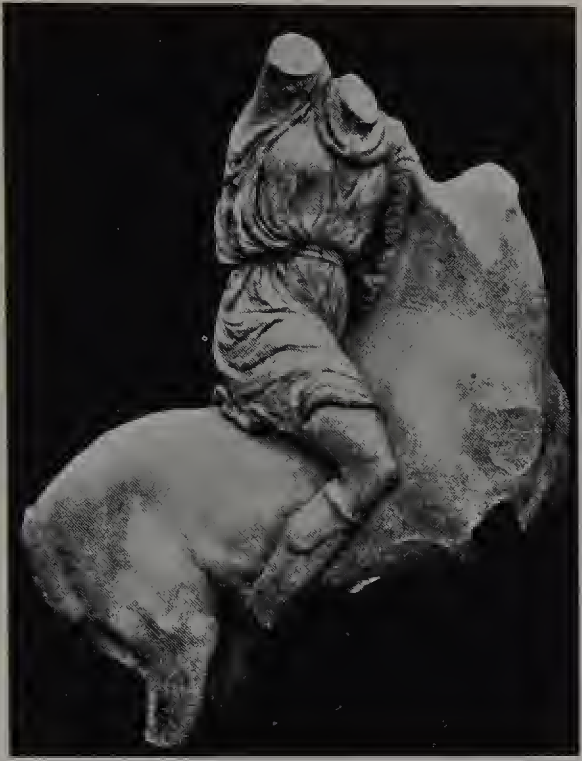


Fig. 716. Amazon, from the western pediment at Epidauros
National Museum, Athens
(Cf. p. 276)

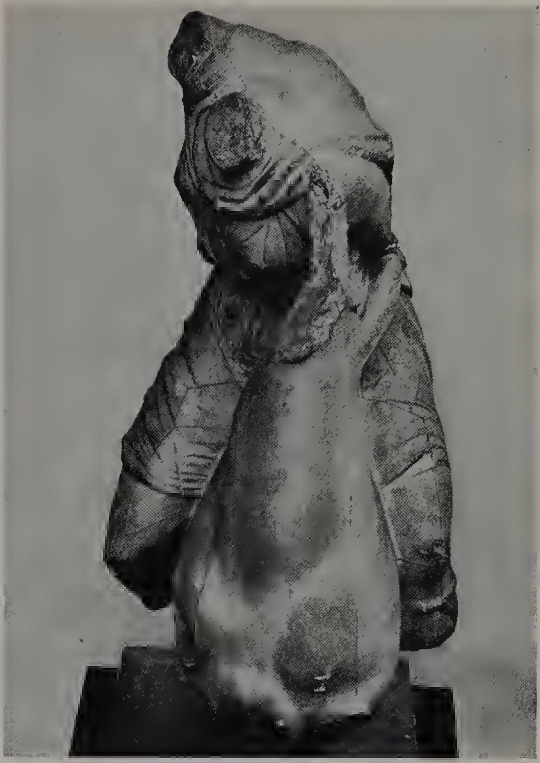


Fig. 717. Front view of statue shown in Fig. 716 (from a cast)
(Cf. p. 276)

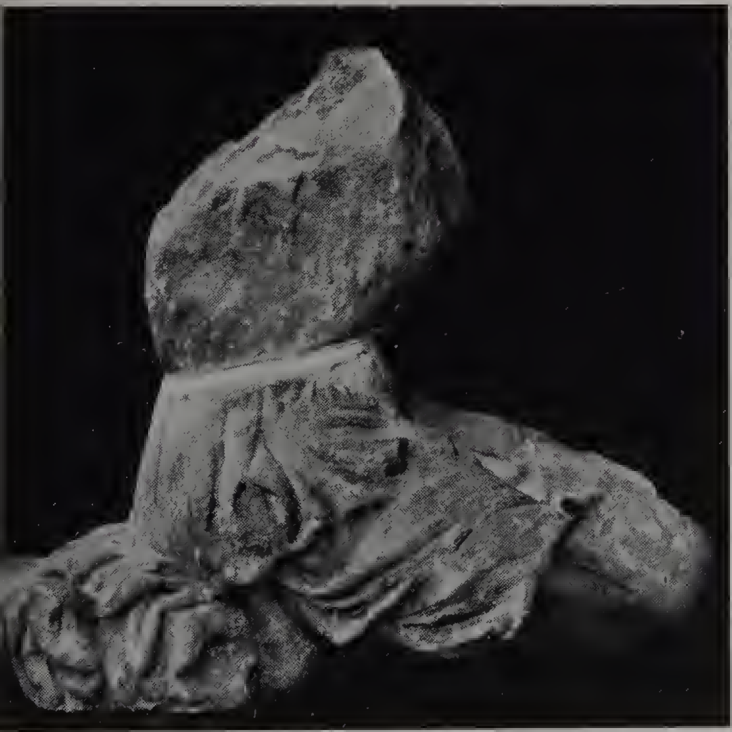


Fig. 718. Torso of an Amazon, from the pediment of the temple at Epidauros
National Museum, Athens
(Cf. p. 276)

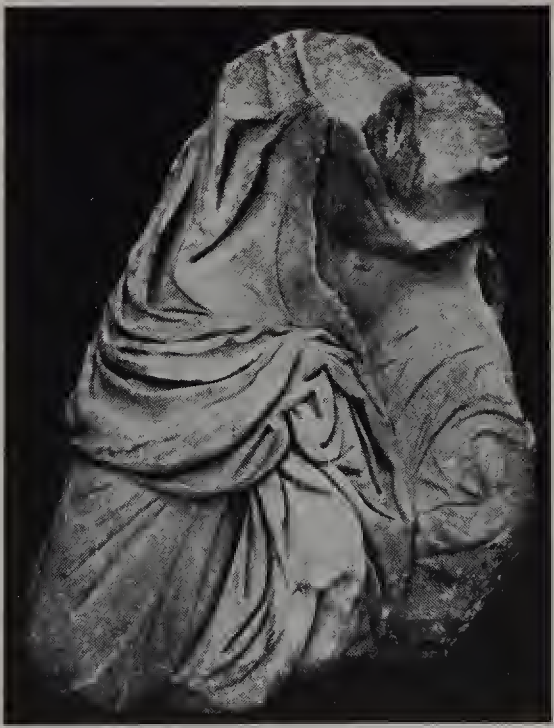
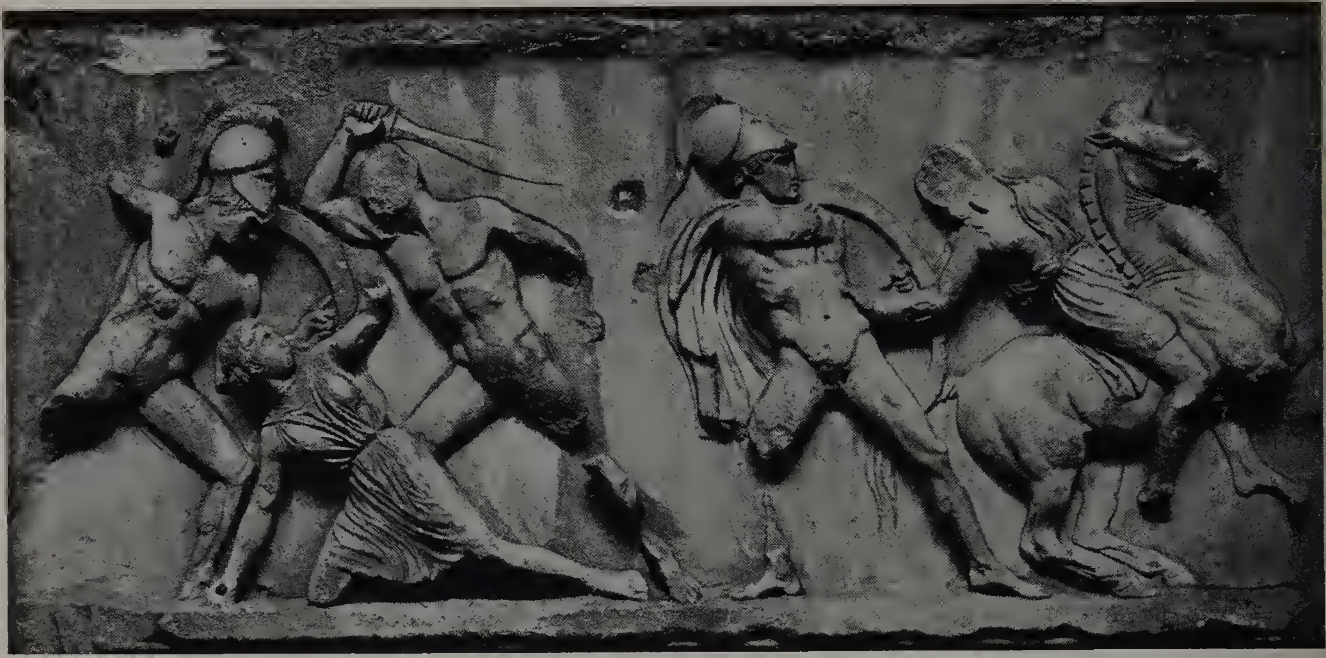


Fig. 719. Torso of a woman, probably from the pediment at Epidauros
National Museum, Athens
(Cf. p. 276)

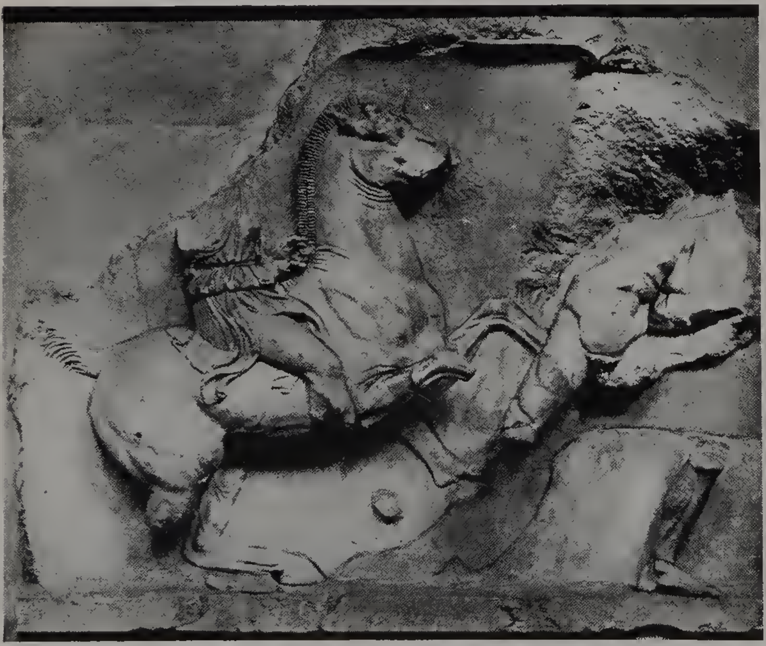


Photograph by W. F. Mansell

Fig. 720. Contest of Greeks and Amazons, from a frieze of the Mausoleum

No. 1006, British Museum, London

(Cf. pp. 112, 131, 278)



Photograph by W. F. Mansell

Fig. 721. Contest of Greek and Amazon, from a frieze of the Mausoleum

No. 1016, British Museum, London

(Cf. pp. 112, 131, 278)

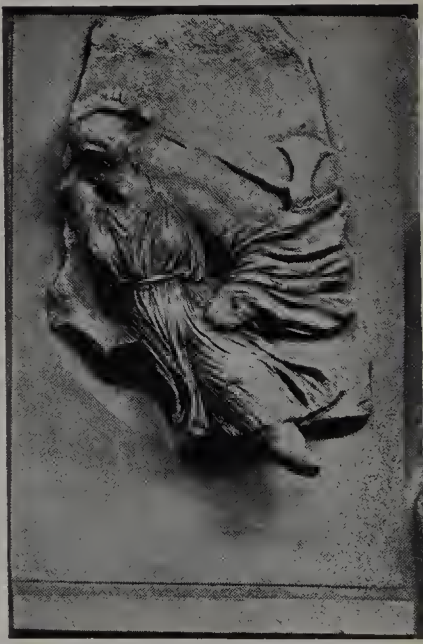


Fig. 722. Amazon, from a frieze of the Mausoleum

No. 1017, British Museum, London

(Cf. p. 278)

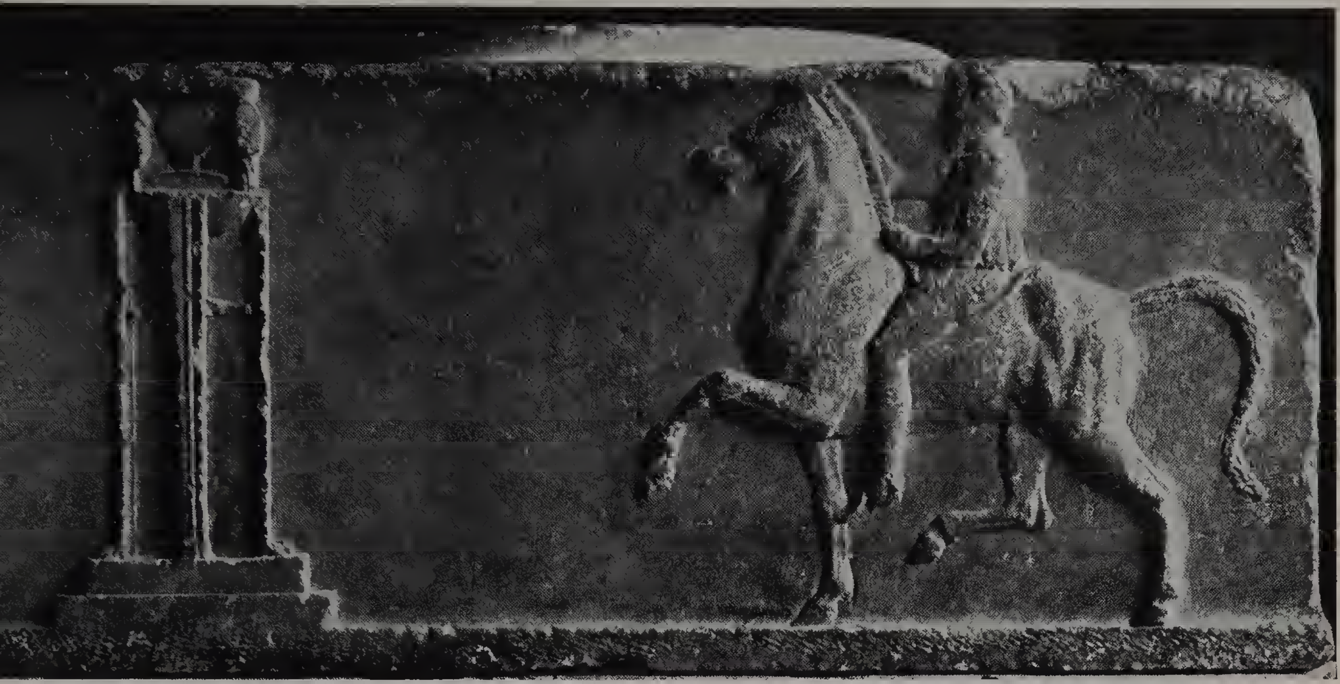


Fig. 723. Horseman approaching a tripod, base of a statue by Bryaxis
National Museum, Athens
(Cf. p. 279)

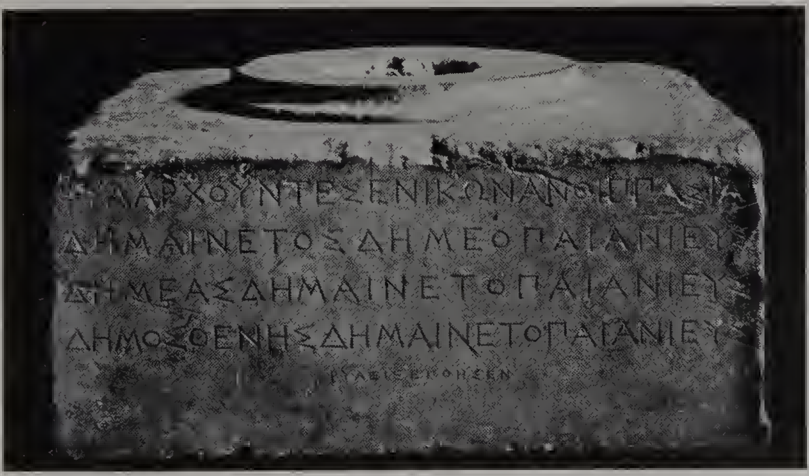

ΑΡΧΟΥΝΤΕΣΕΝΙΚΩΝΑΝ
ΔΗΜΑΙΝΕΤΟΣΔΗΜΕΟΠΑΙΑΝΙΕΥ
ΔΗΜΕΑΣΔΗΜΑΙΝΕΤΟΠΑΙΑΝΙΕΥ
ΔΗΜΟΣΘΕΝΗΣΔΗΜΑΙΝΕΤΟΠΑΙΑΝΙΕΥ
ΕΠΟΗΣΕΝ

Fig. 724. Inscription on the statue base of Bryaxis (see Fig. 723)
(Cf. p. 279)

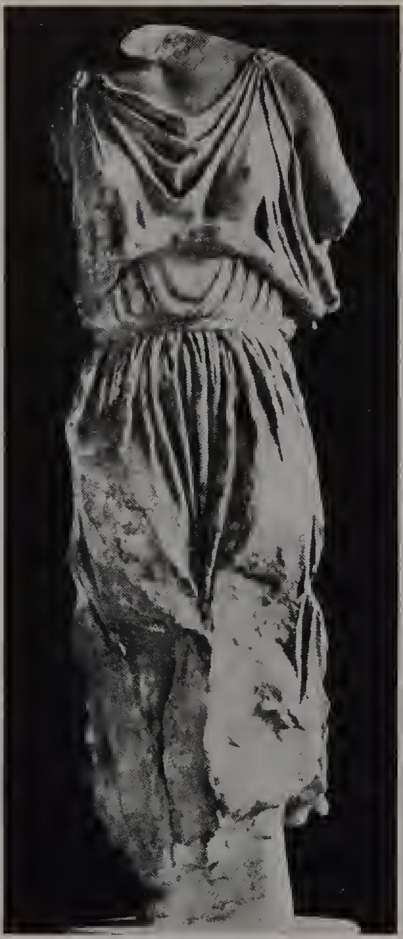


Fig. 725. Nike, perhaps an akroterion of the "Theseion"
National Museum, Athens
(Cf. p. 279)

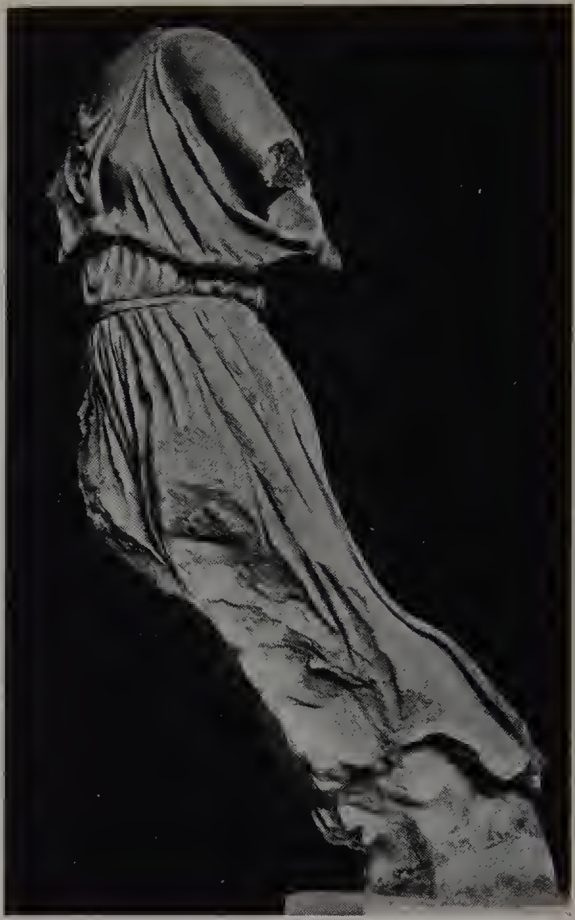


Fig. 726. Side view of Fig. 725
National Museum, Athens
(Cf. p. 279)

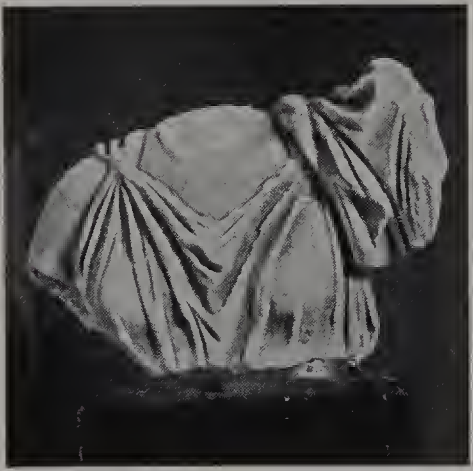


Fig. 727. Fragment of a female figure from the base of the statue of Nemesis at Rhamnous
National Museum, Athens
(Cf. p. 280)

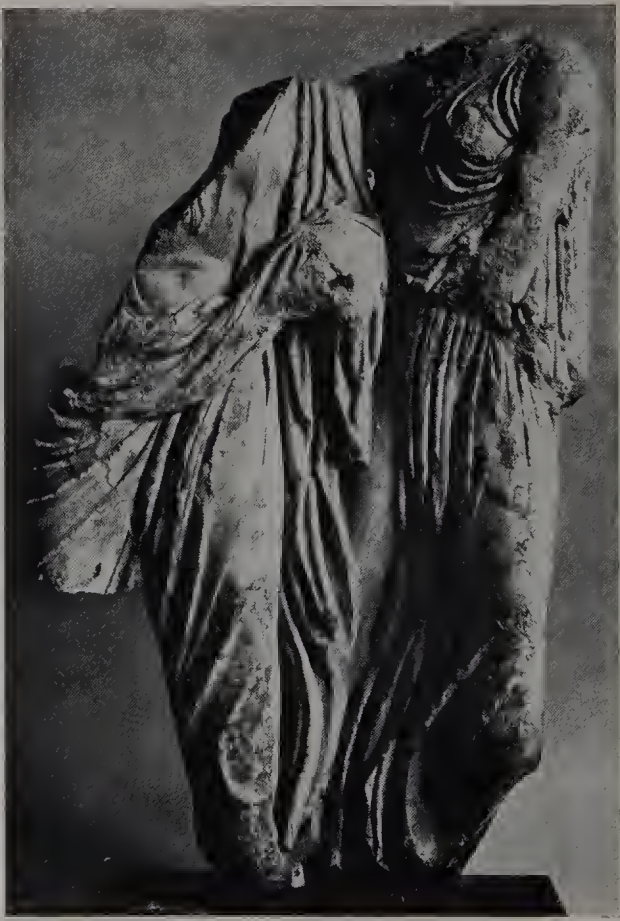
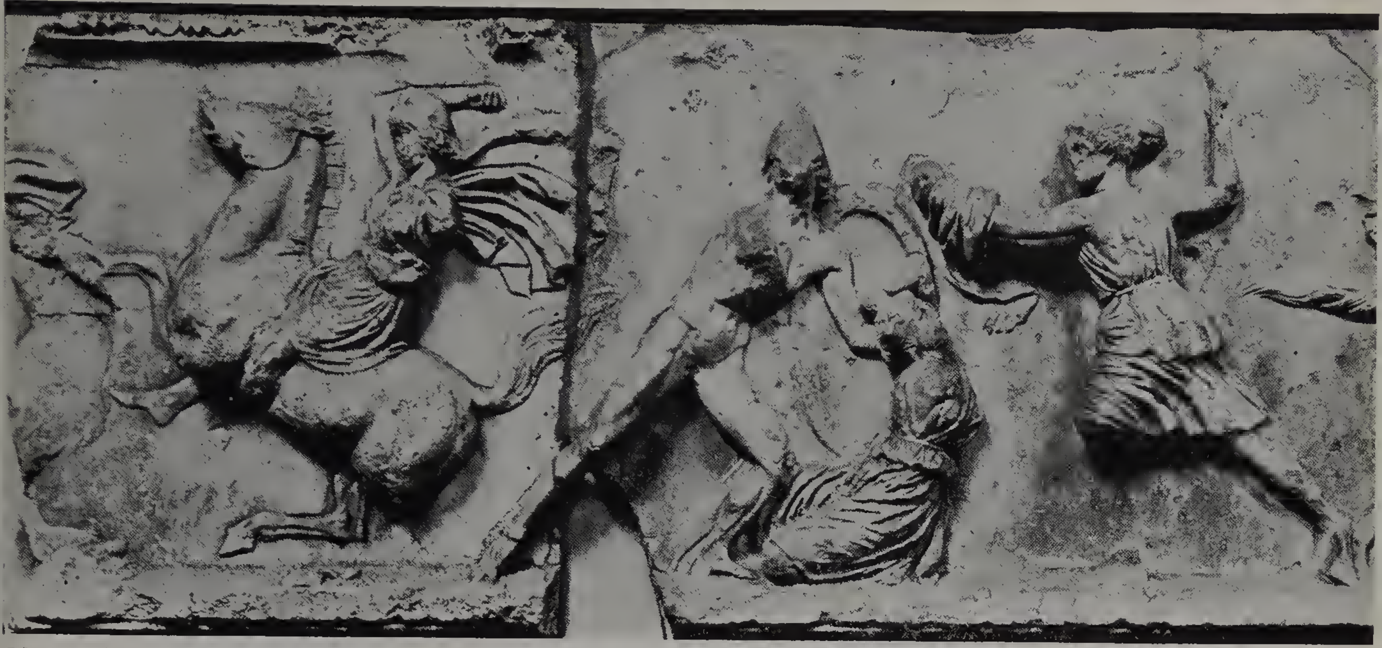


Fig. 728. Group from the frieze of the Erechtheion
Akropolis Museum, Athens
(Cf. p. 280)

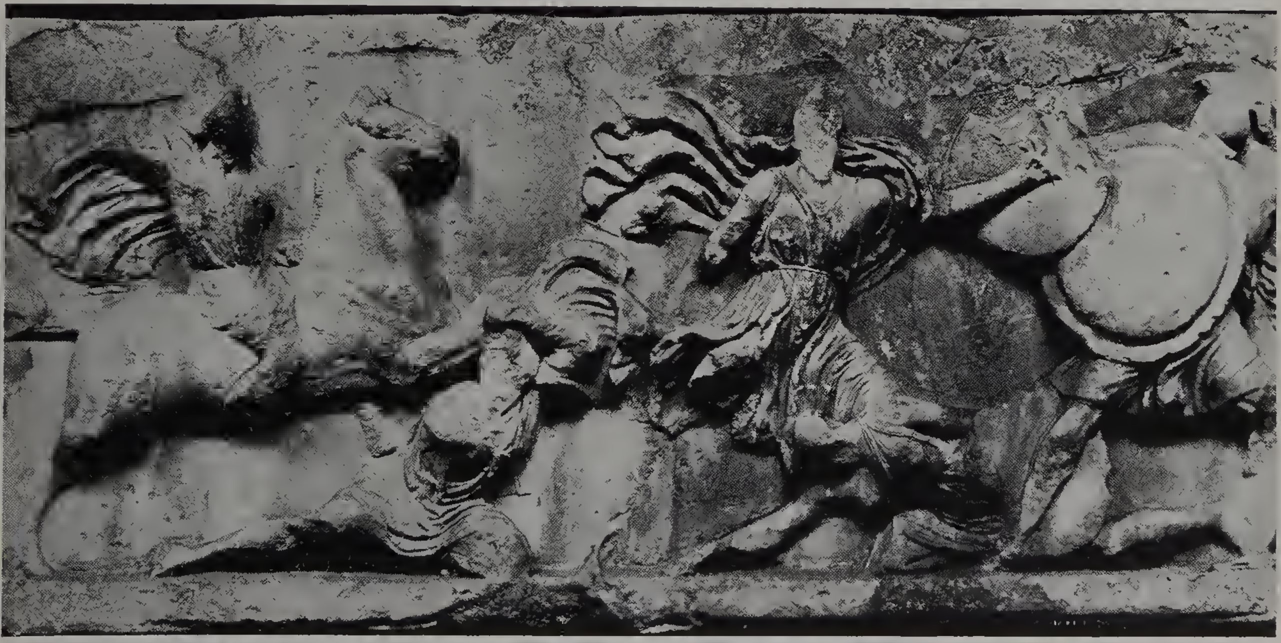


Photograph by W. F. Mansell

Fig. 729. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 112, 131, 280)



Photograph by W. F. Mansell

Fig. 730. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 131, 280)

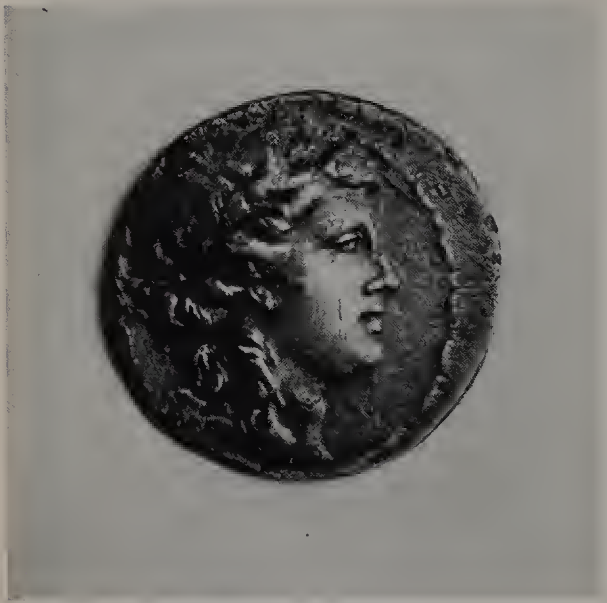


Fig. 731. Head of Apollo, perhaps after the statue by Bryaxis, on a coin of Antiochos IV, Epiphanes

E. T. Newell Collection, New York

(Cf. p. 281)

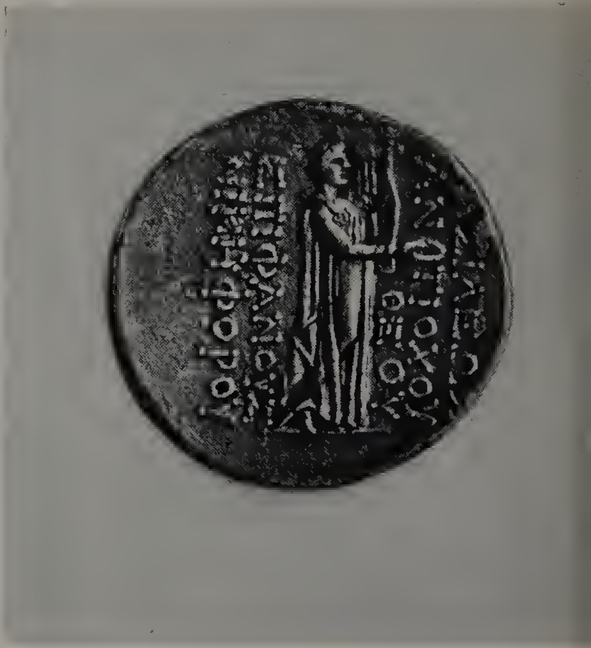


Fig. 732. Apollo, perhaps after a statue by Bryaxis, on the reverse of the coin, Fig. 731

(Cf. p. 281)

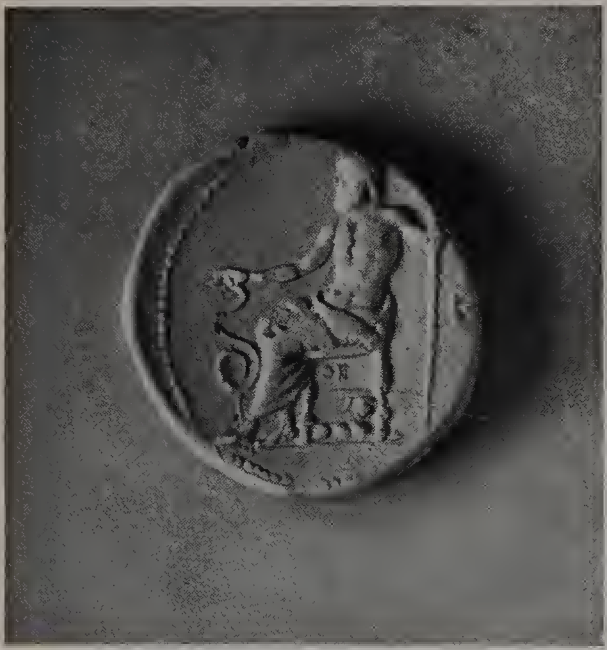


Fig. 733. Asklepios, statue by Thrasymedes on a coin of Epidauros (from a cast, enlarged)

Staatliche Museen, Berlin

(Cf. p. 281)

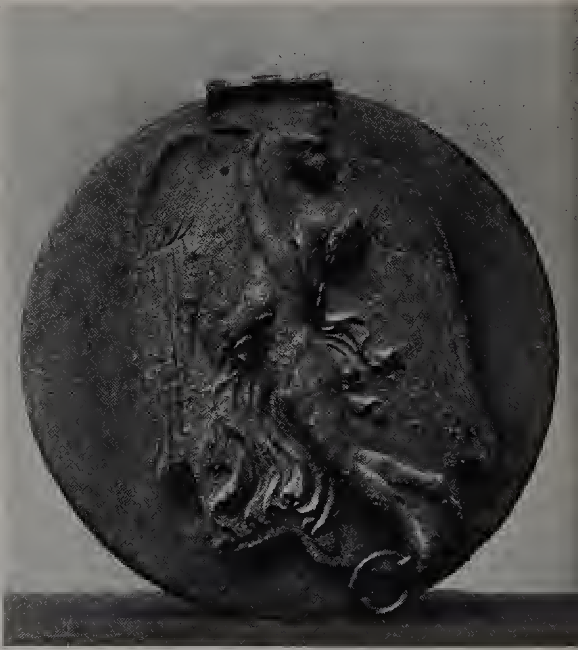


Fig. 734. Ganymede and the Eagle, on a bronze mirror

Staatliche Museen, Berlin

(Cf. p. 283)

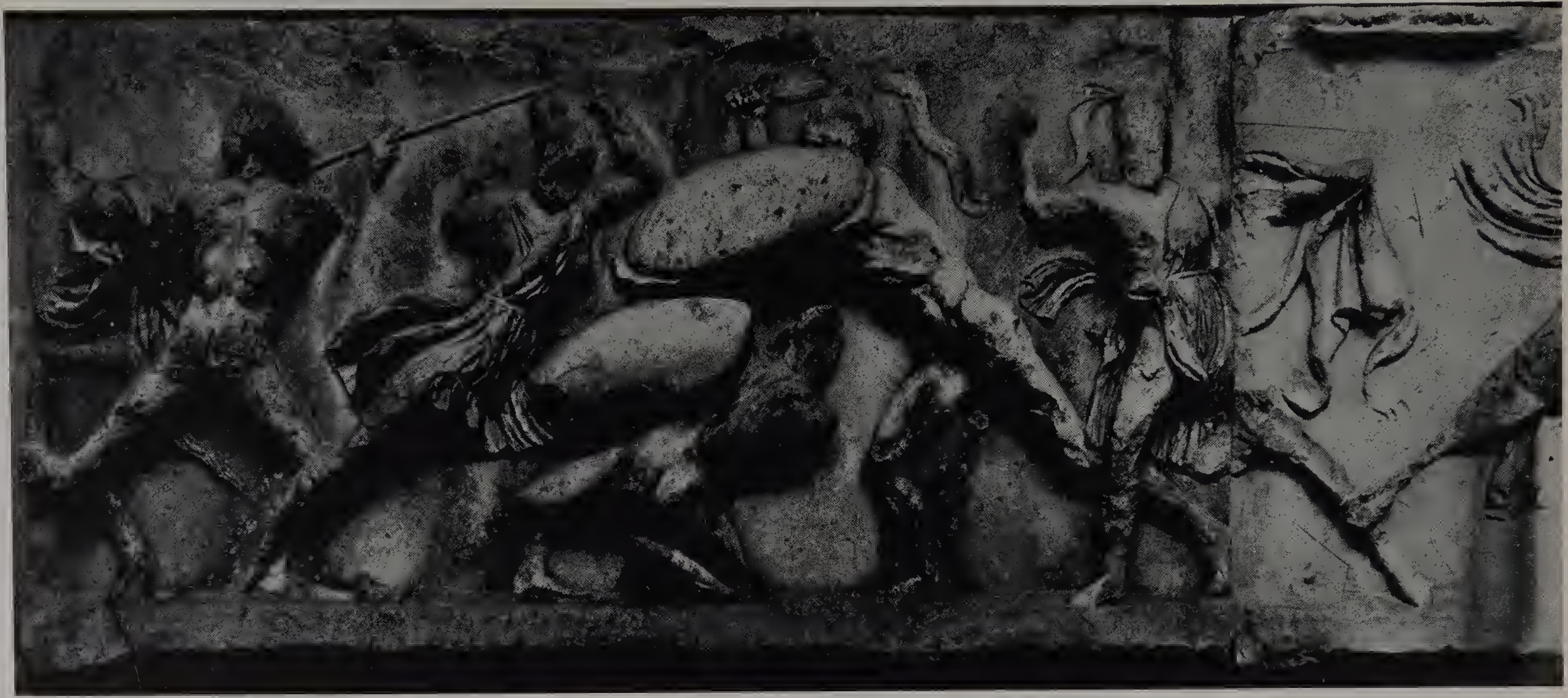
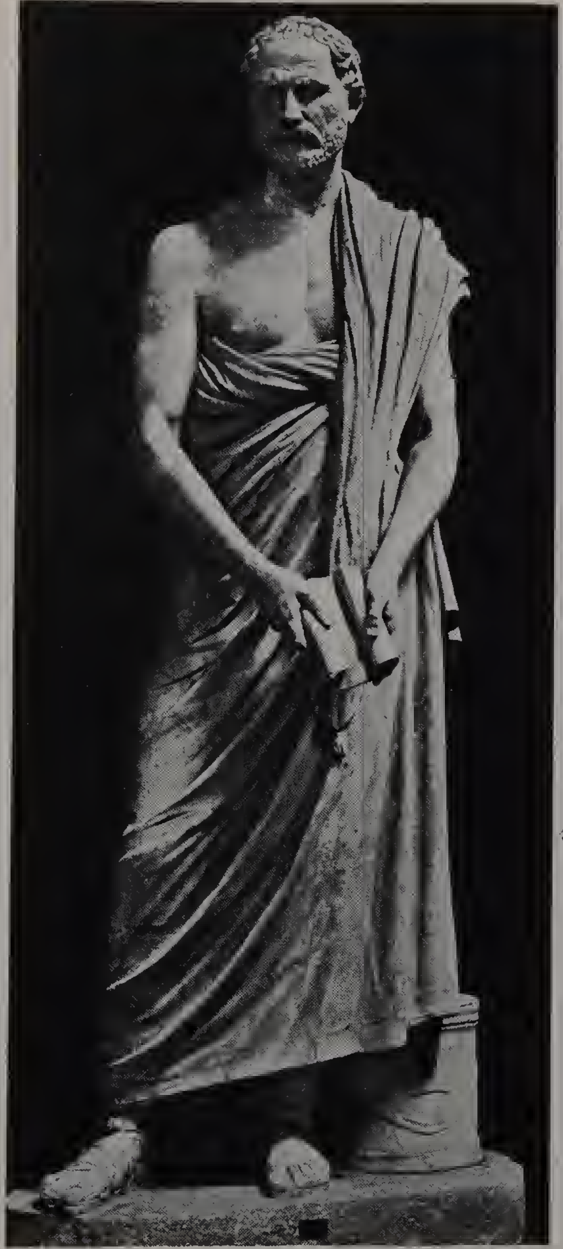


Fig. 735. Contest of Greeks and Amazons, from a frieze of the Mausoleum

British Museum, London

(Cf. pp. 131, 283)



Photograph by D. Anderson, Rome

Fig. 736. Demosthenes, after a work by Polyeuktos (cf. pp. 85, 295)

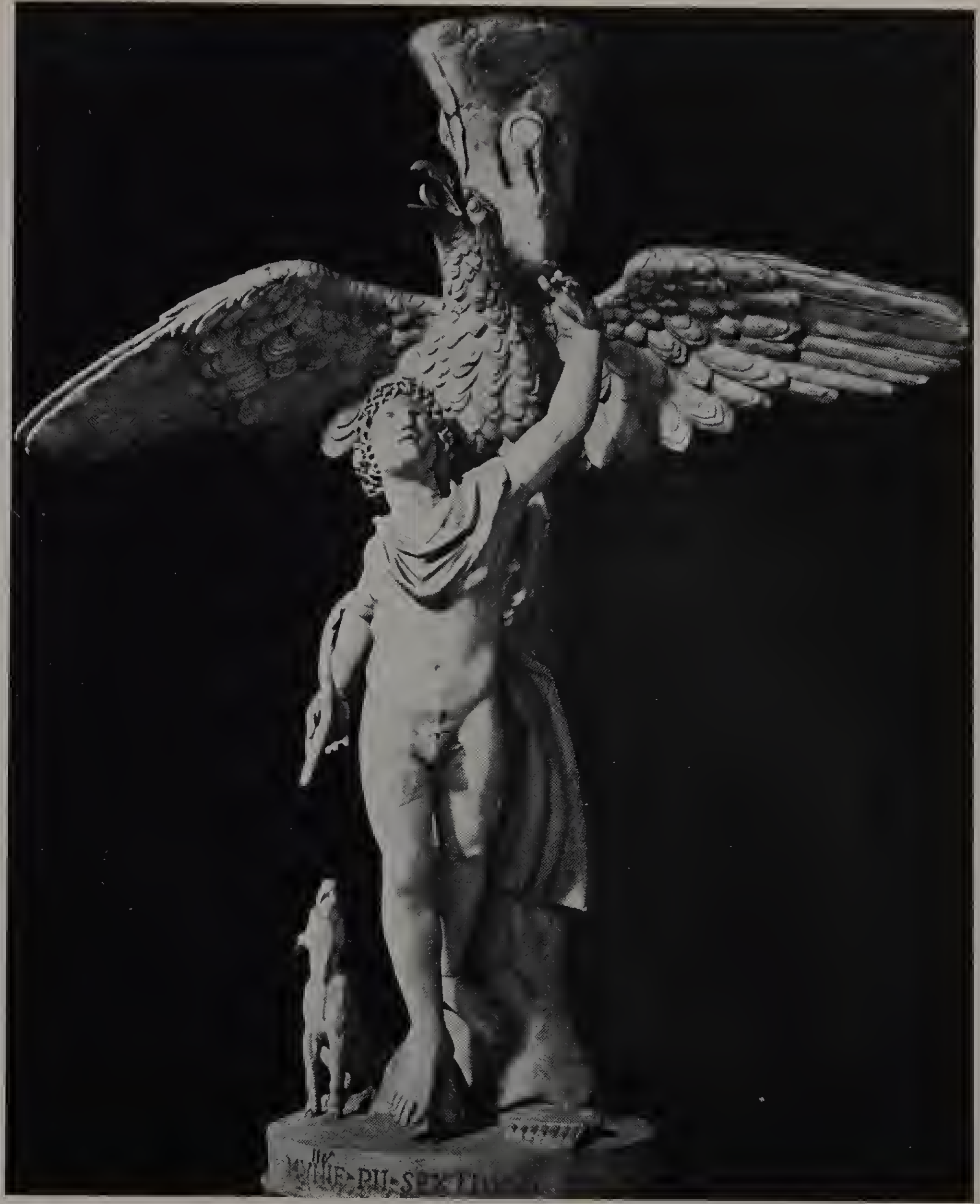


Fig. 737. Ganymede and the Eagle

The Vatican, Rome

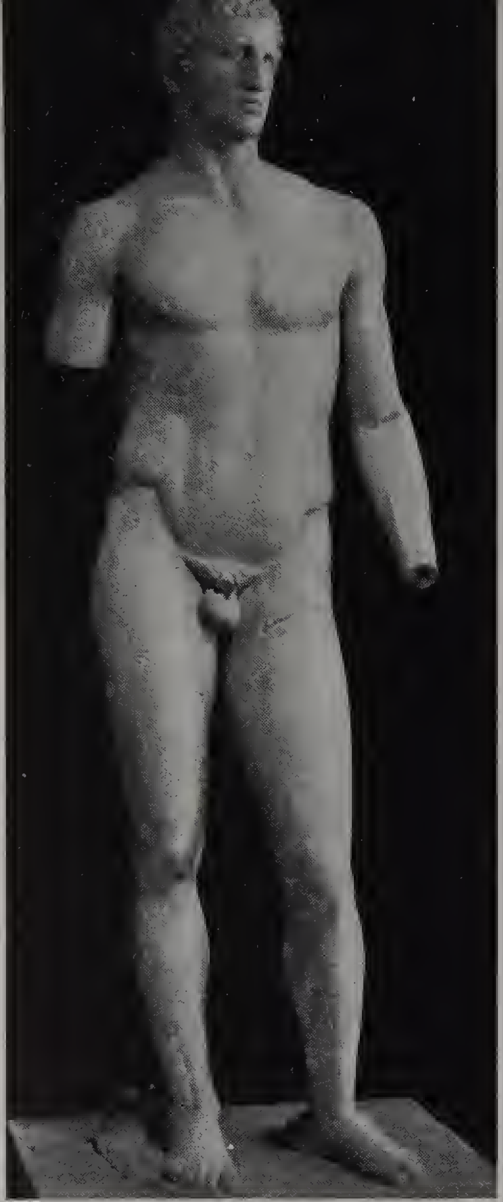


Fig. 738. Agias
Delphi Museum
(Cf. pp. 286, 287)

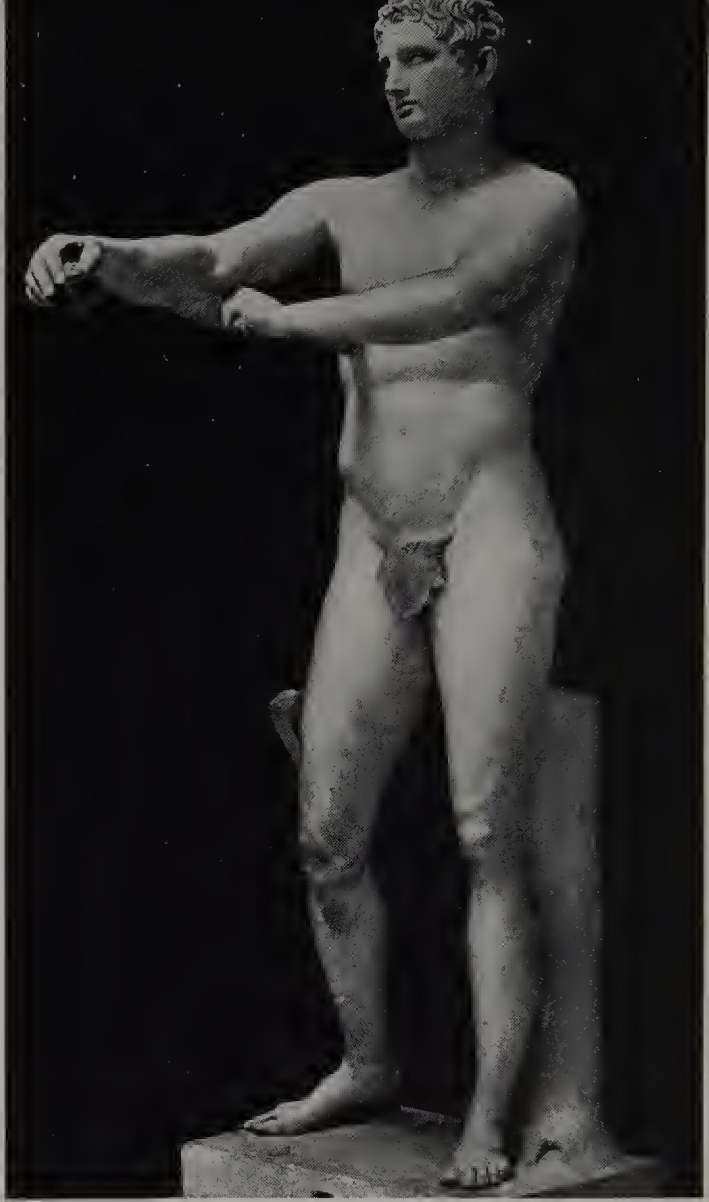


Fig. 739. Apoxyomenos
The Vatican, Rome
(Cf. pp. 286, 287)

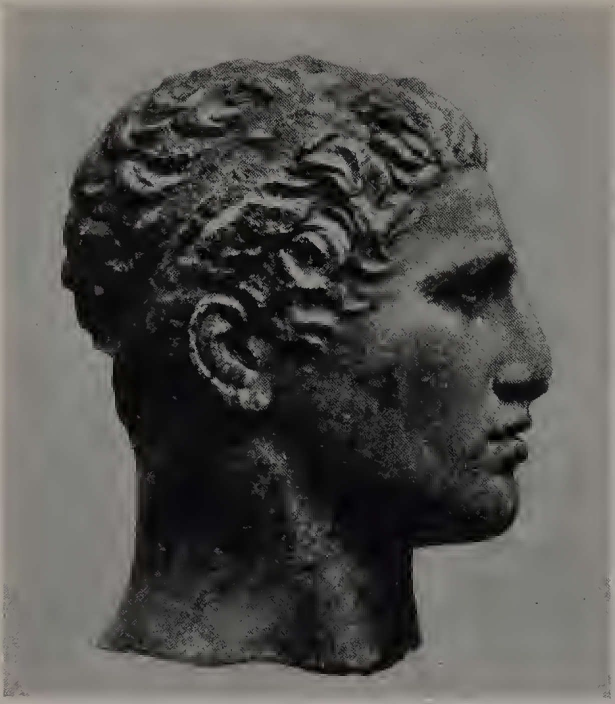


Fig. 740. Head of Agias, profile view
(see Fig. 738)
(Cf. pp. 286, 287)

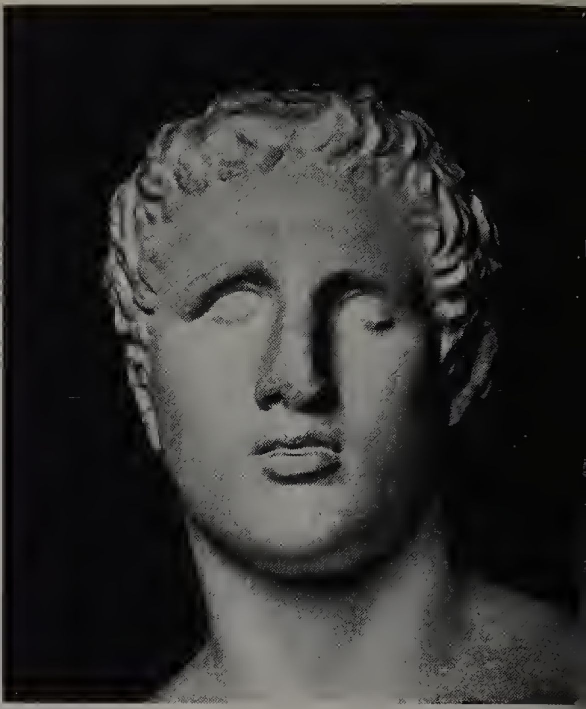


Fig. 741. Head of Agias, front view
(from a cast)

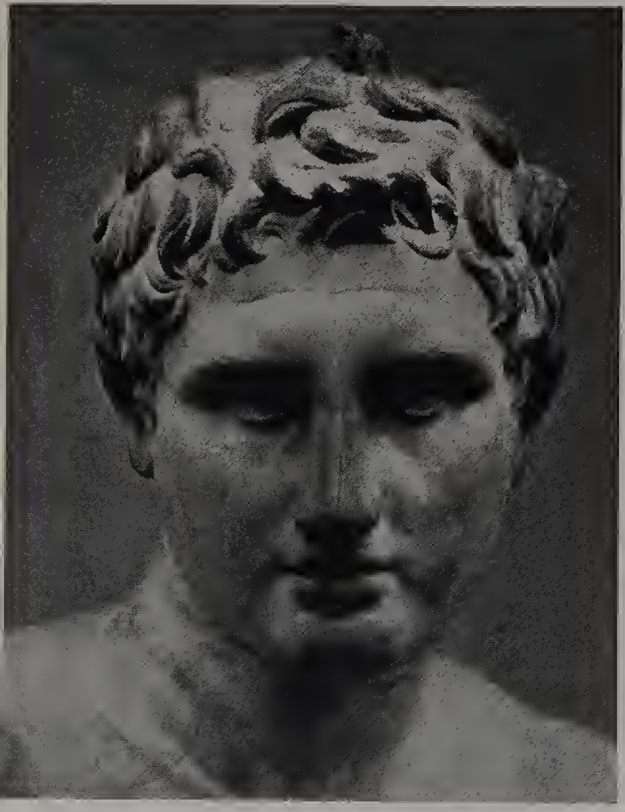


Fig. 742. Head of the Apoxyomenos
(see Fig. 739; from a cast)
(Cf. pp. 286, 287)

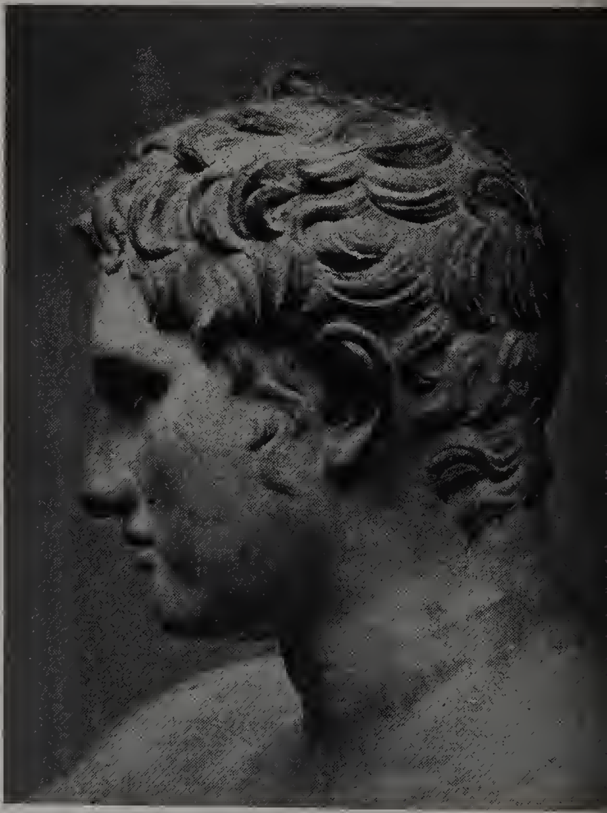
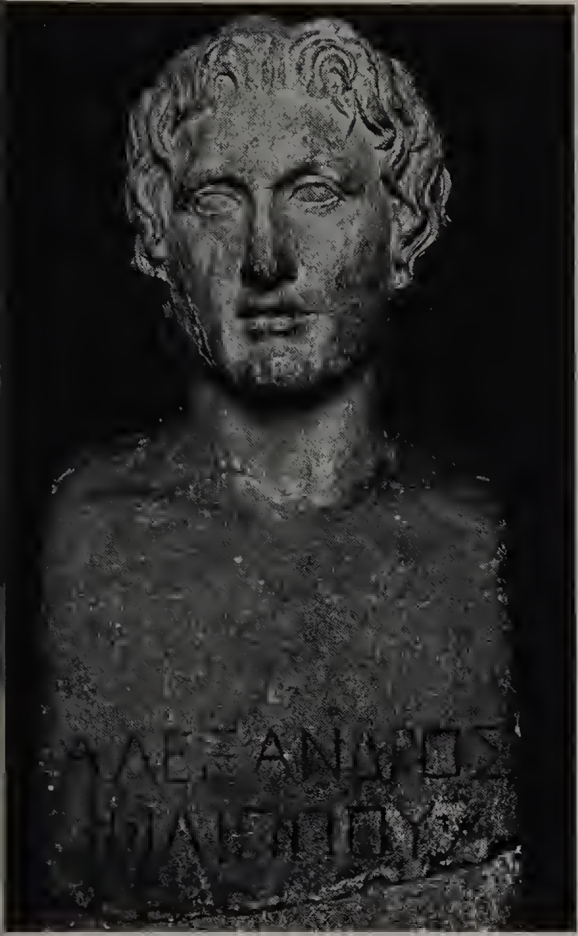
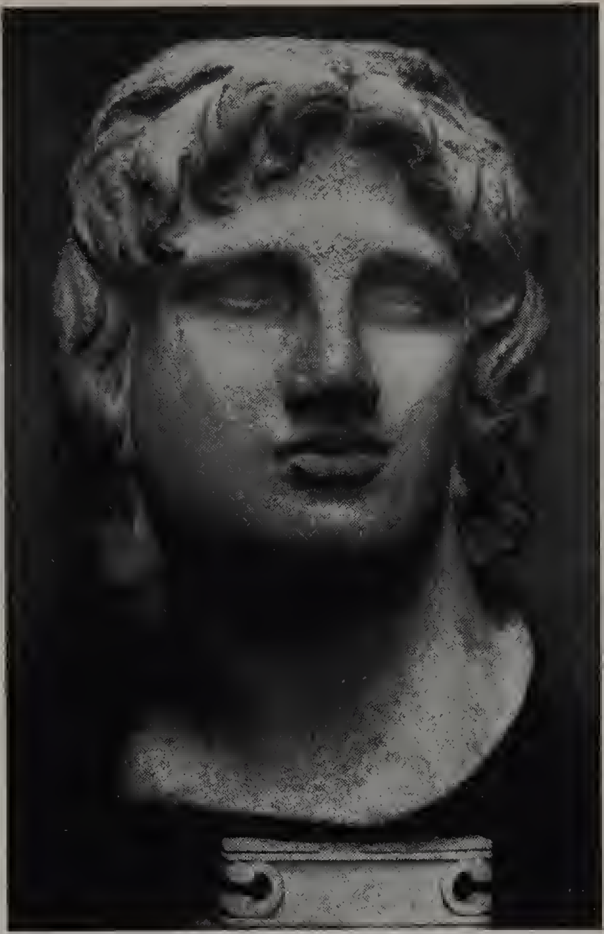


Fig. 743. Profile view of Fig. 742 (from a cast)



ig. 744. Alexander the Great, the Azara bust
The Louvre, Paris
(Cf. p. 290)



Photograph by W. F. Mansell

Fig. 745. Alexander the Great
British Museum, London
(Cf. p. 290)

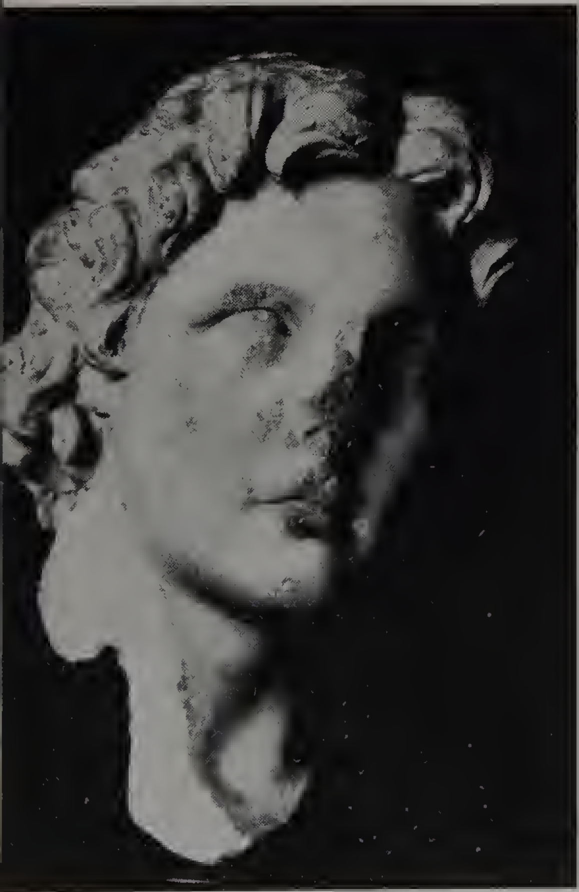


Fig. 746. Alexander (?) (cf. p. 290)
Musée Guimet, Paris

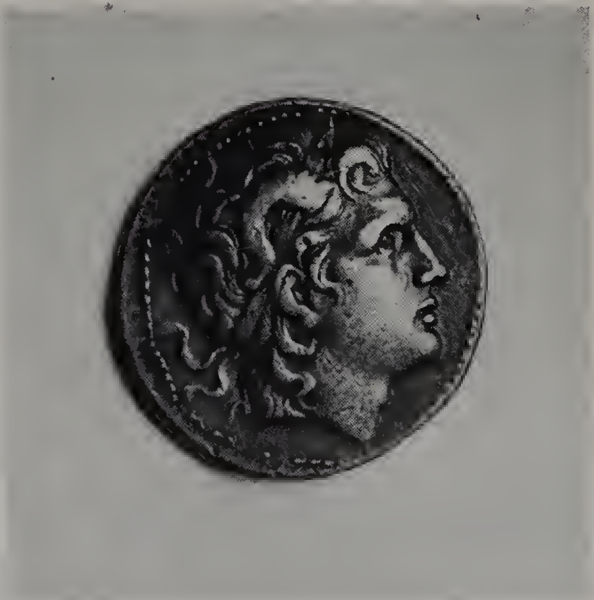


Fig. 747. Portrait of Alexander, on a coin of Lysimachos, slightly enlarged
E. T. Newell Collection, New York
(Cf. p. 290)

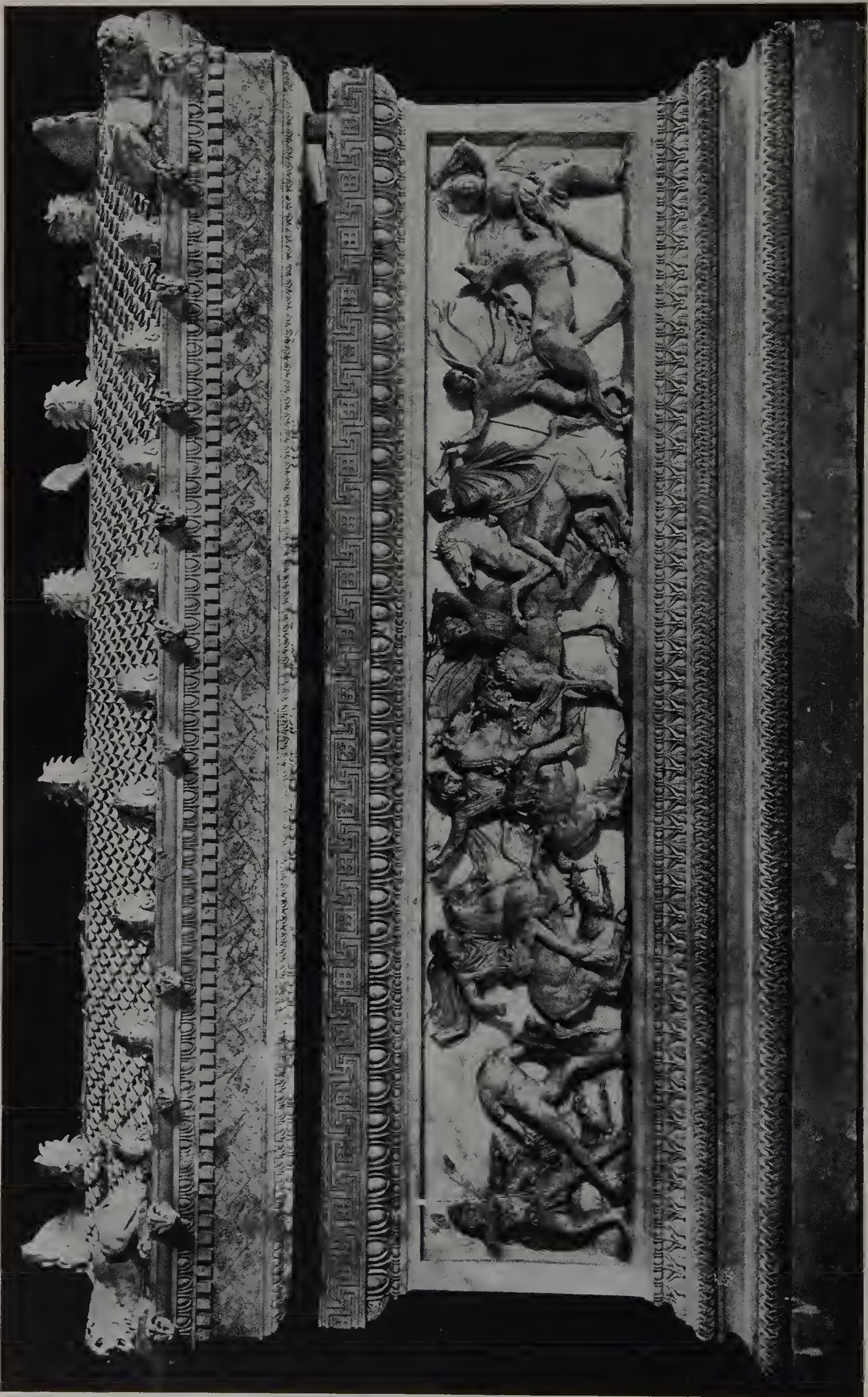


Fig. 748. The "Alexander sarcophagus"

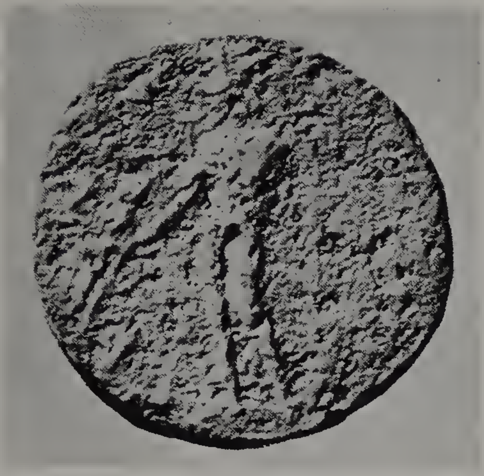


Fig. 749. Zeus, on a coin of Caracalla enlarged

British Museum, London

(Cf. p. 289)

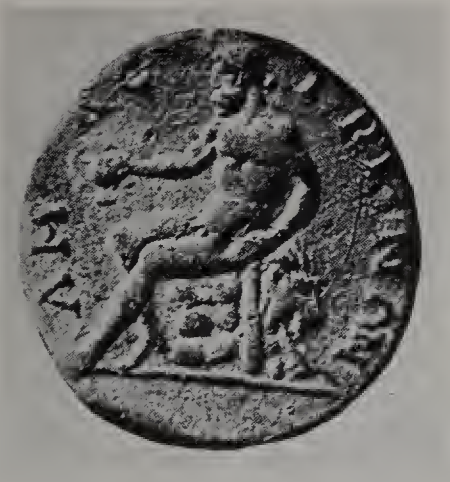


Fig. 750. Herakles, on a coin of Amastris, enlarged

Museo Archeologico, Florence

(Cf. p. 288)

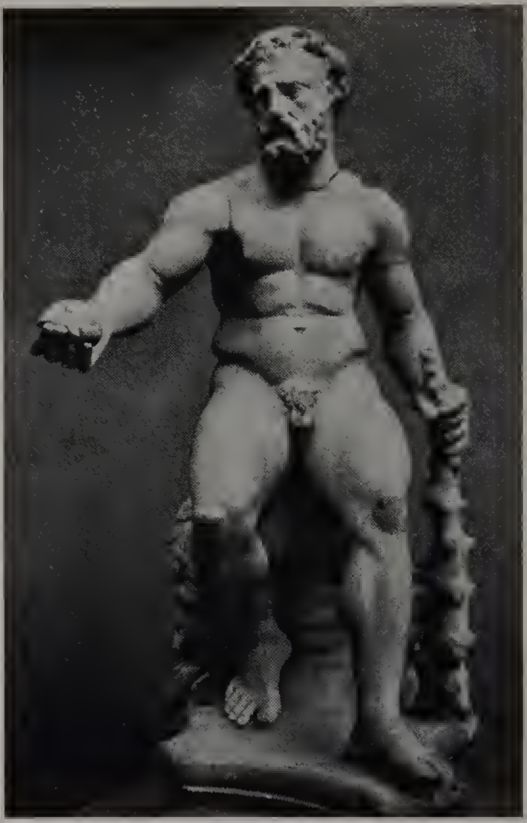


Fig. 751. Statuette of Herakles
British Museum, London
(Cf. p. 288)

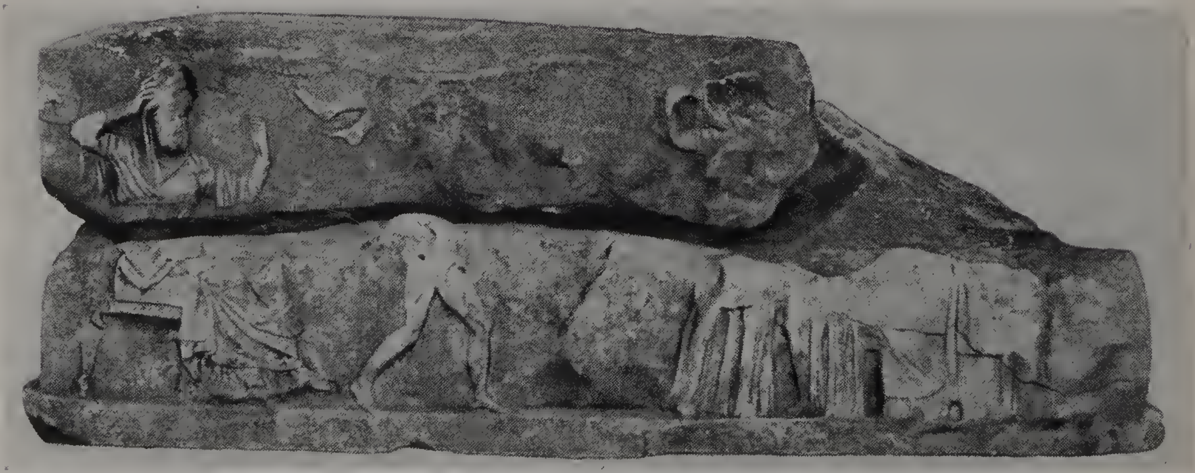


Fig. 752. Base of the statue of Poulydamas by Lysippos
Olympia Museum
(Cf. p. 289)

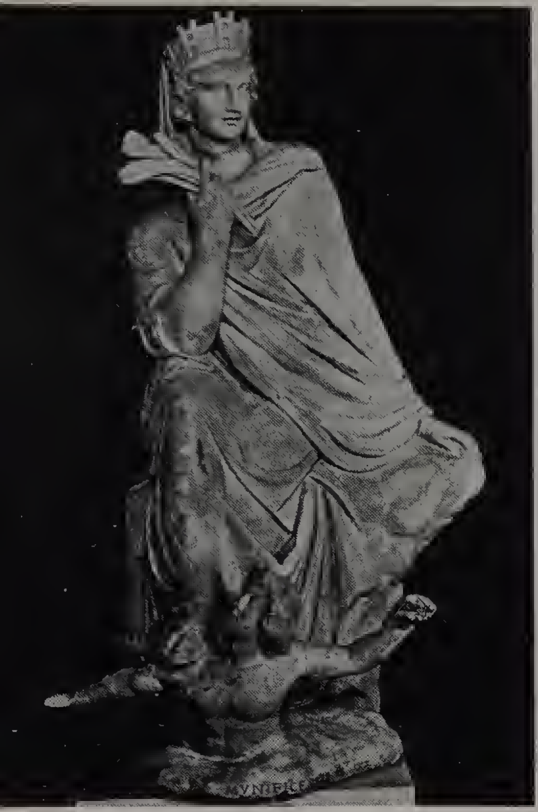


Fig. 753. Statuette of Antiocheia
The Vatican, Rome
(Cf. p. 293)

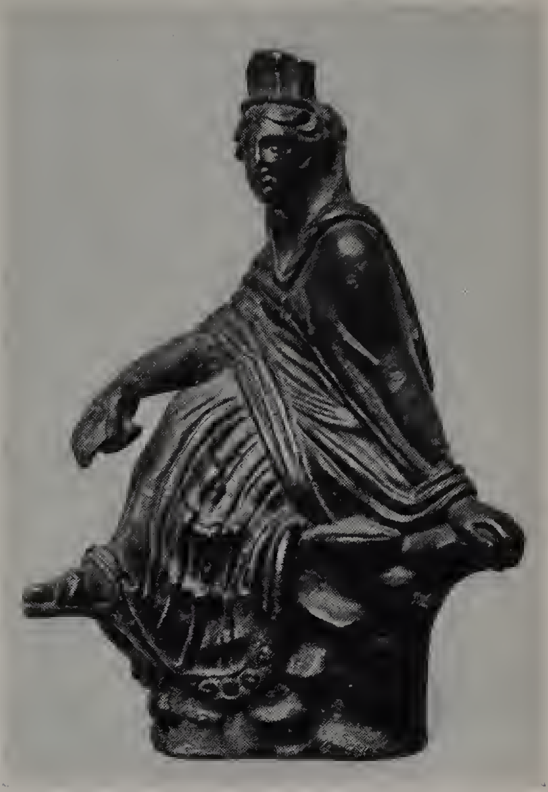


Fig. 754. Bronze statuette of Antiocheia
Metropolitan Museum of Art
(Cf. p. 293)

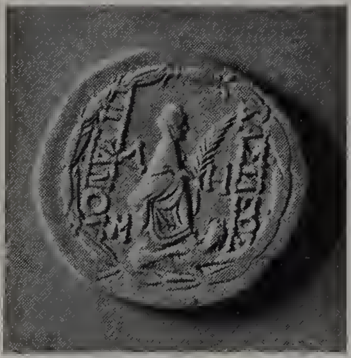


Fig. 755. Antiocheia, on a
coin of Tigranes
(from a cast)
British Museum, London
(Cf. p. 293)

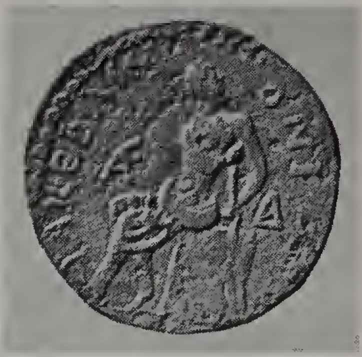


Fig. 756. Herakles (?), on a
coin of Lakedaimon, enlarged
British Museum, London
(Cf. p. 299)

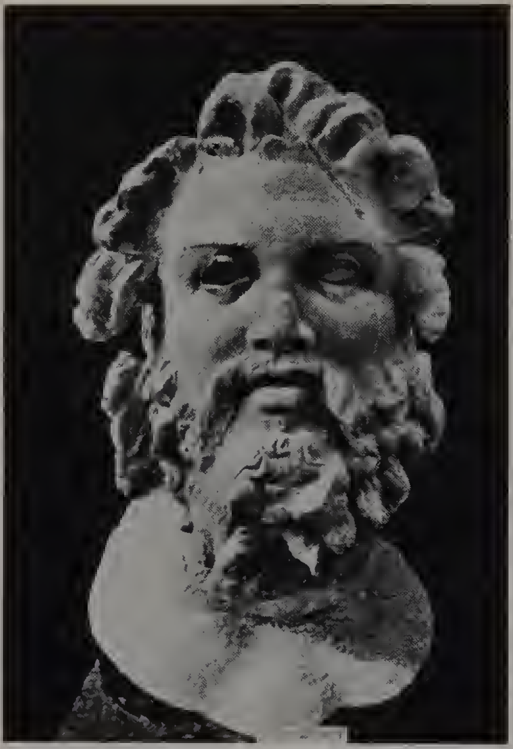


Fig. 757. Head of Anytos, from the temple at Lykosoura
National Museum, Athens
(Cf. p. 296)

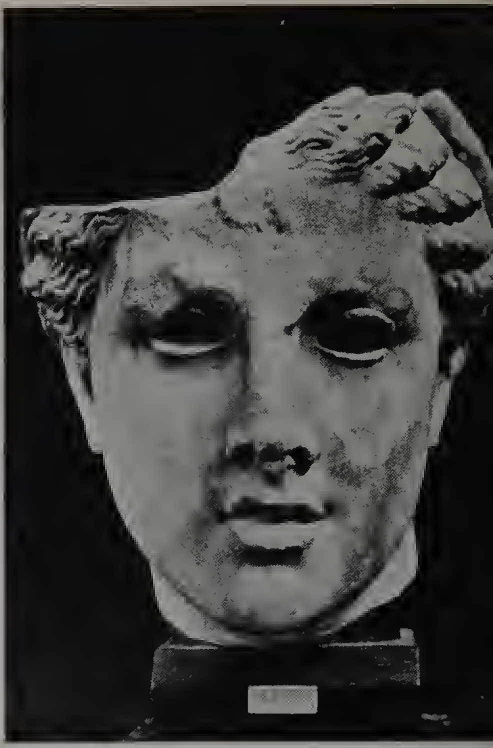


Fig. 758. Head of Artemis, from the temple at Lykosoura
National Museum, Athens
(Cf. p. 296)

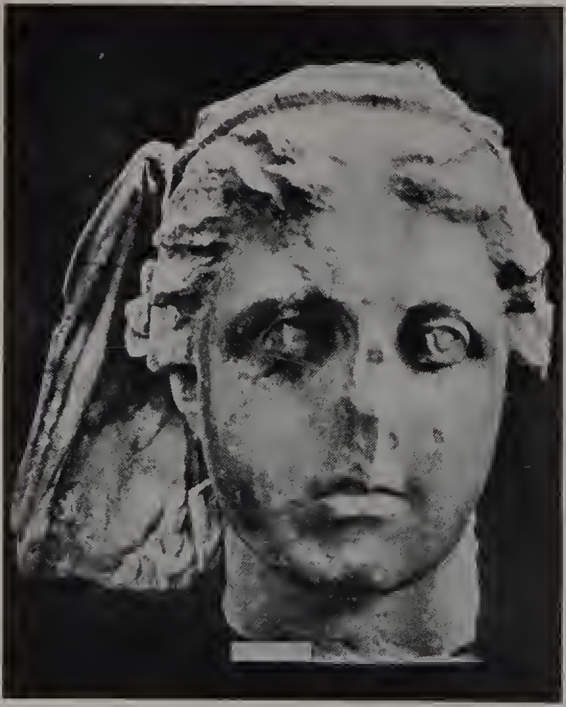


Fig. 759. Head of Demeter, from the temple at Lykosoura
National Museum, Athens
(Cf. p. 296)

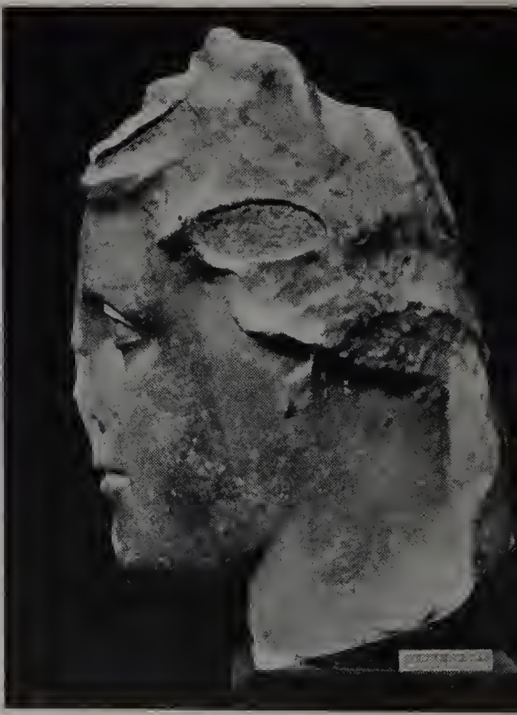


Fig. 760. Profile view of Fig. 759

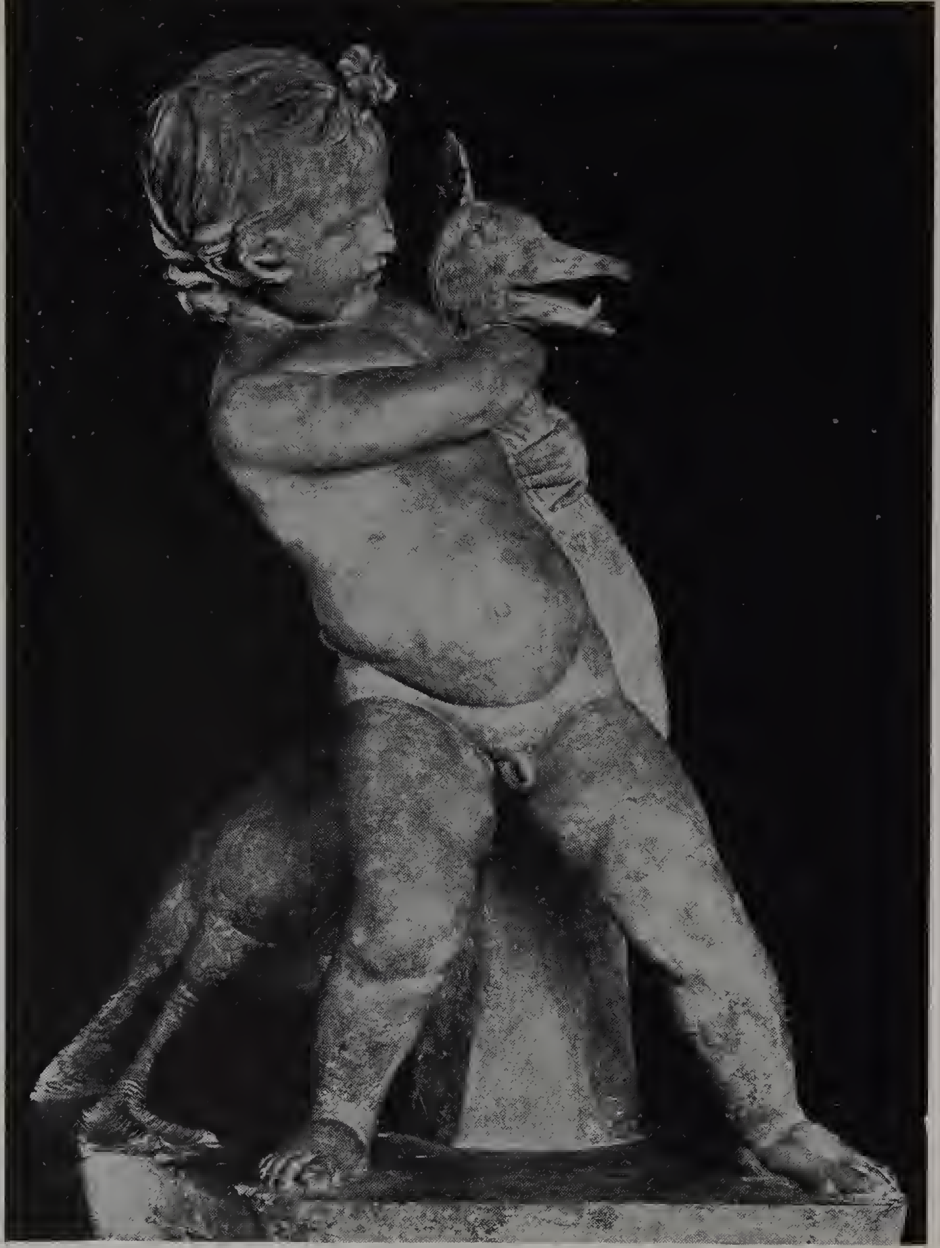


Fig. 761. Boy strangling a goose, after a work by Boethos
The Glyptothek, Munich
(Cf. p. 297)

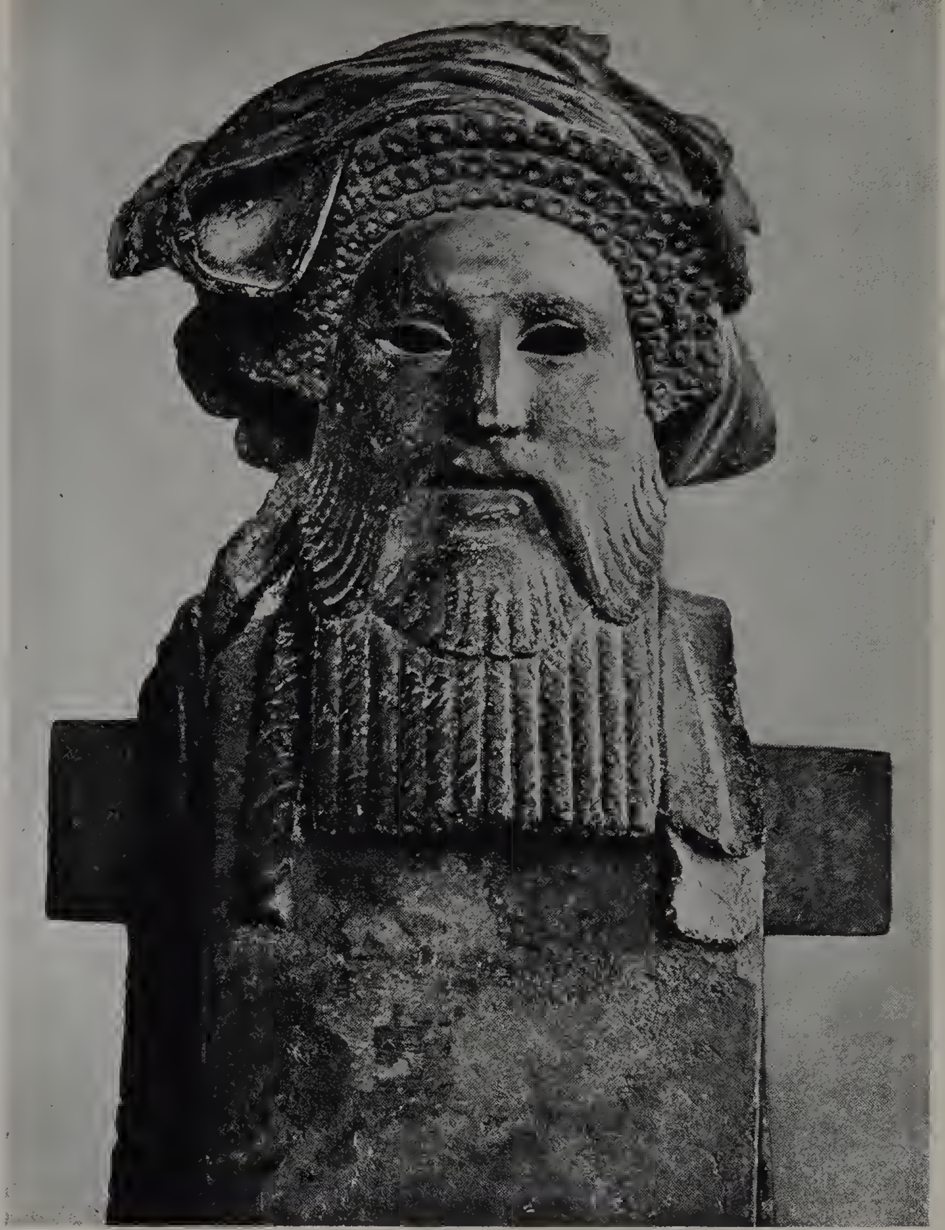


Fig. 762. Bronze herm of Dionysos, signed by Boethos
Museum of Bardo, Tunis
(Cf. p. 297)

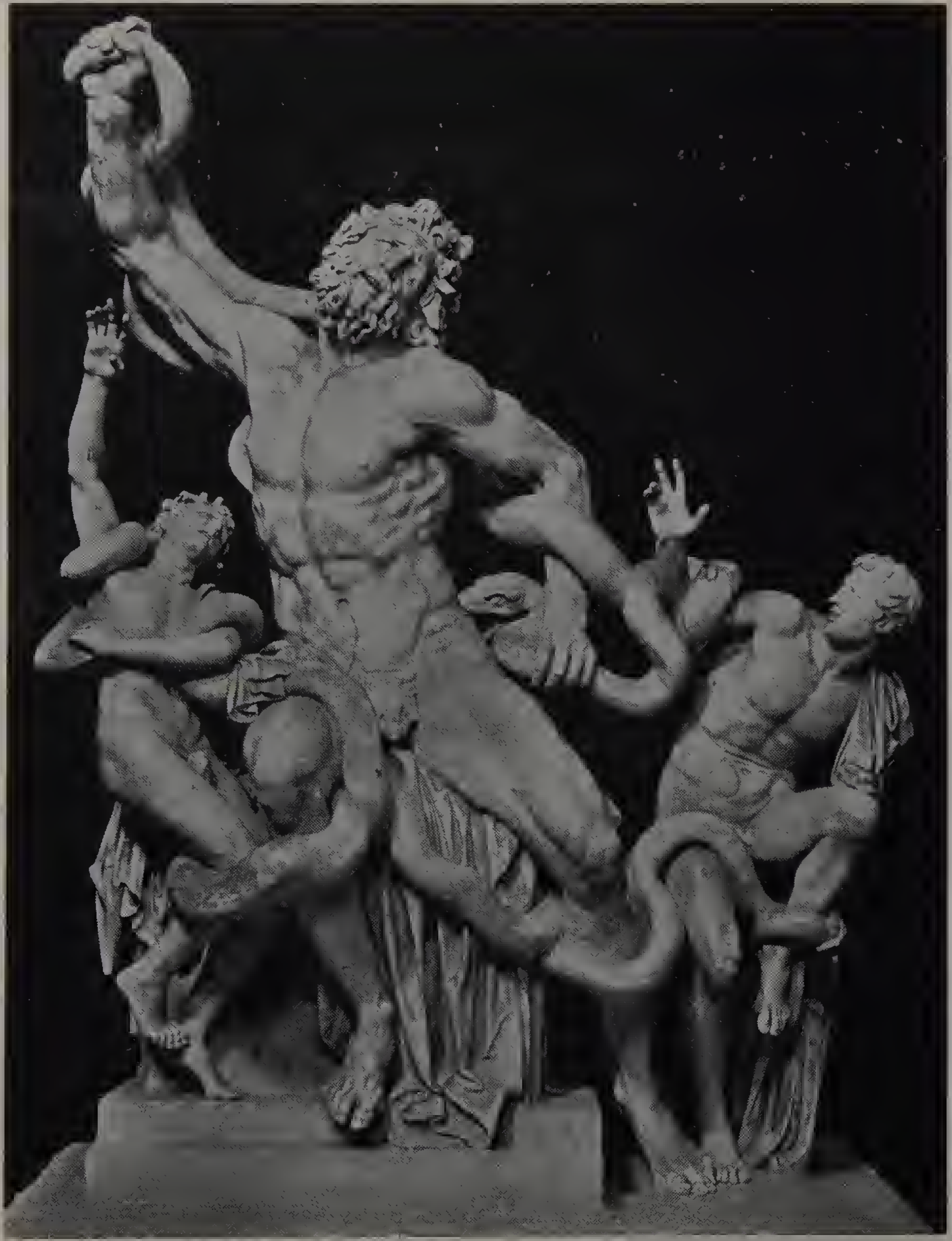
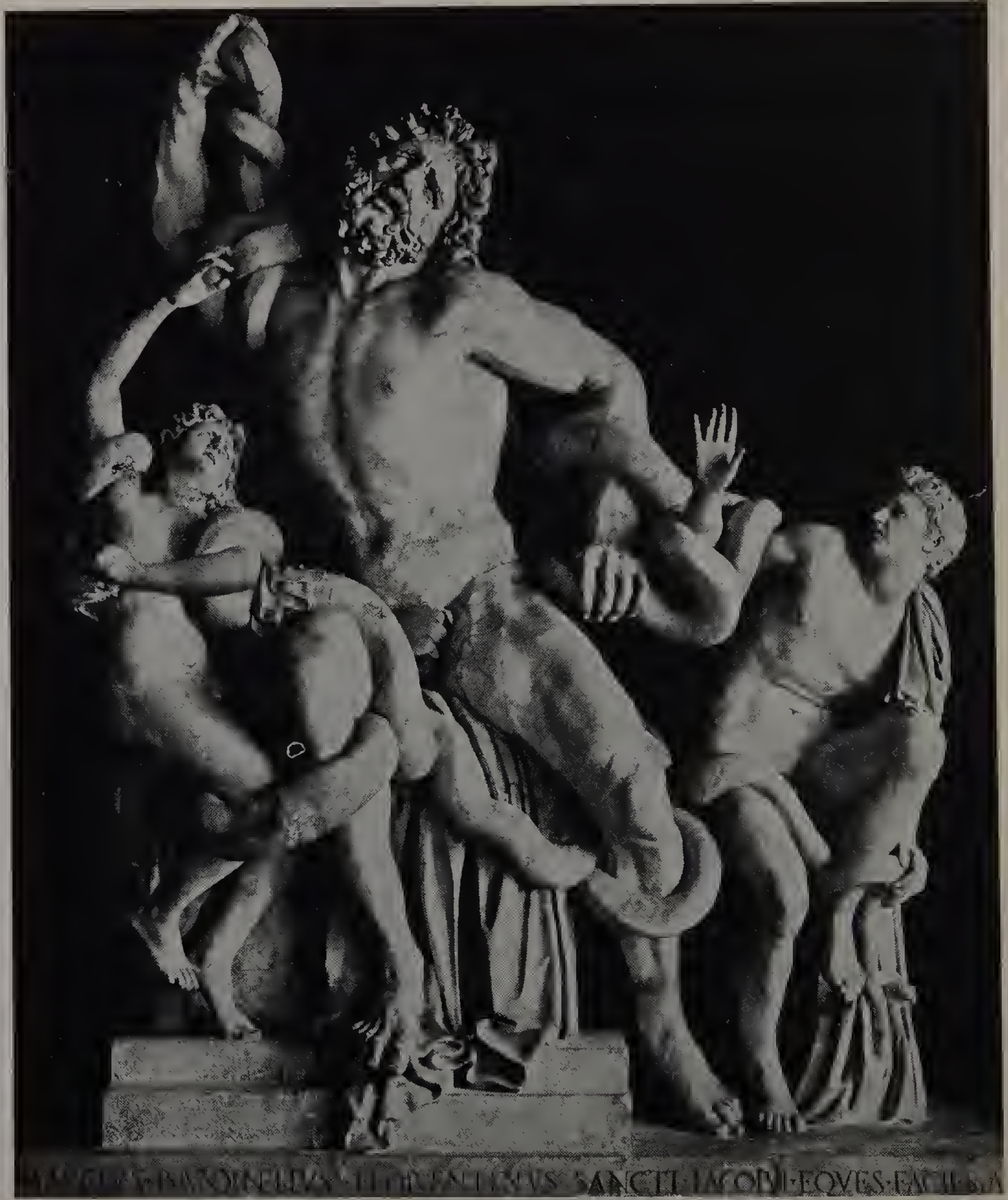


Fig. 763. Laokoon group



SANCTI·IACOBI·EQVES

Fig. 764. Copy of Fig. 763 by Bandinelli

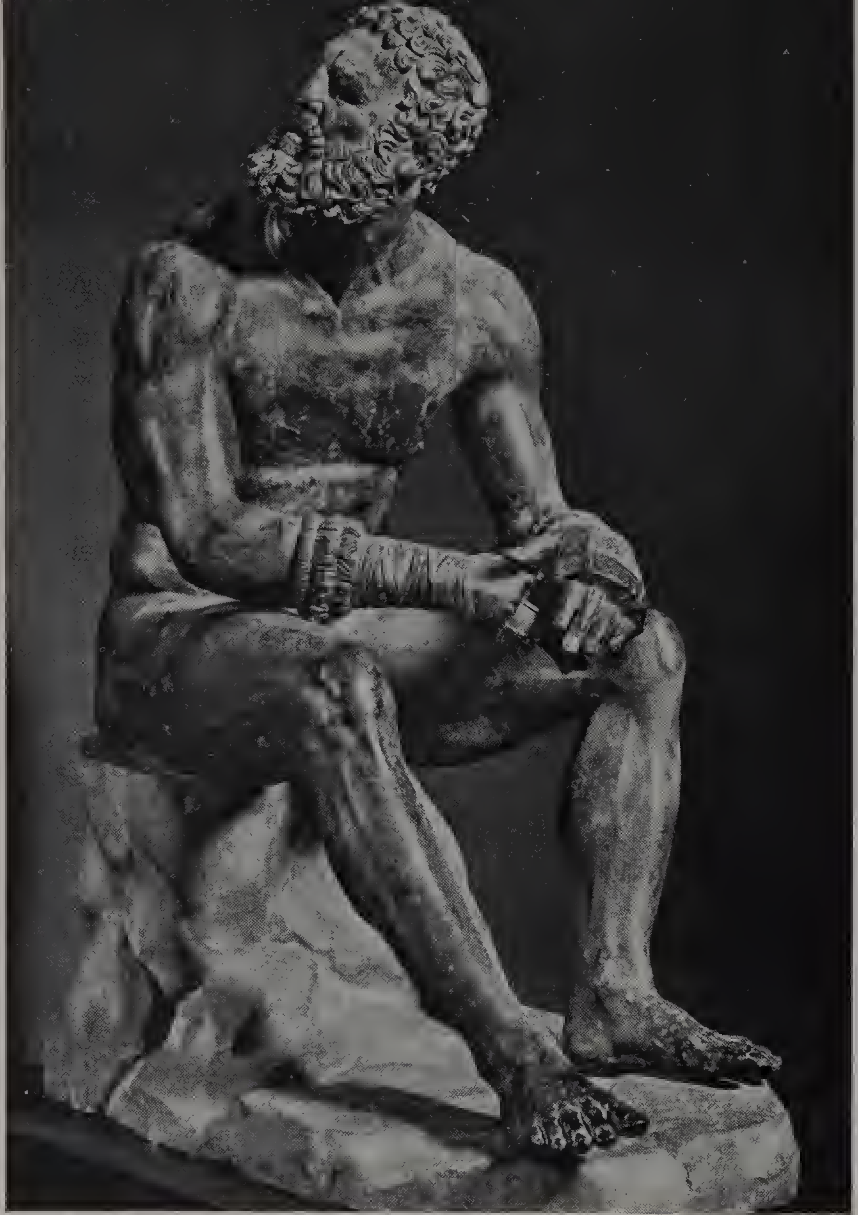


Fig. 765. Bronze statue of a boxer
Museo Nazionale delle Terme, Rome
(Cf. pp. 61, 299)

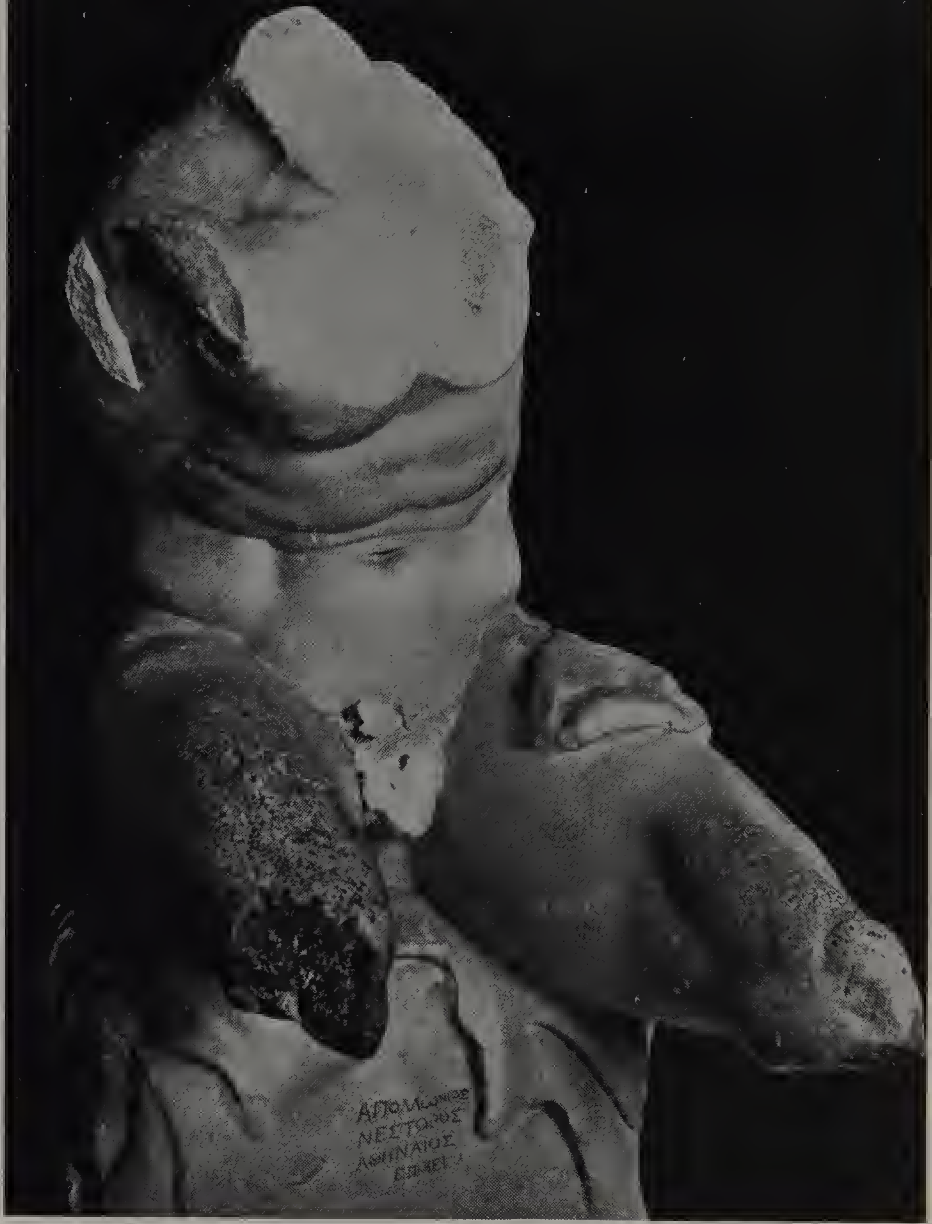


Fig. 766. Belvedere Torso
The Vatican, Rome
(Cf. pp. 61, 298)

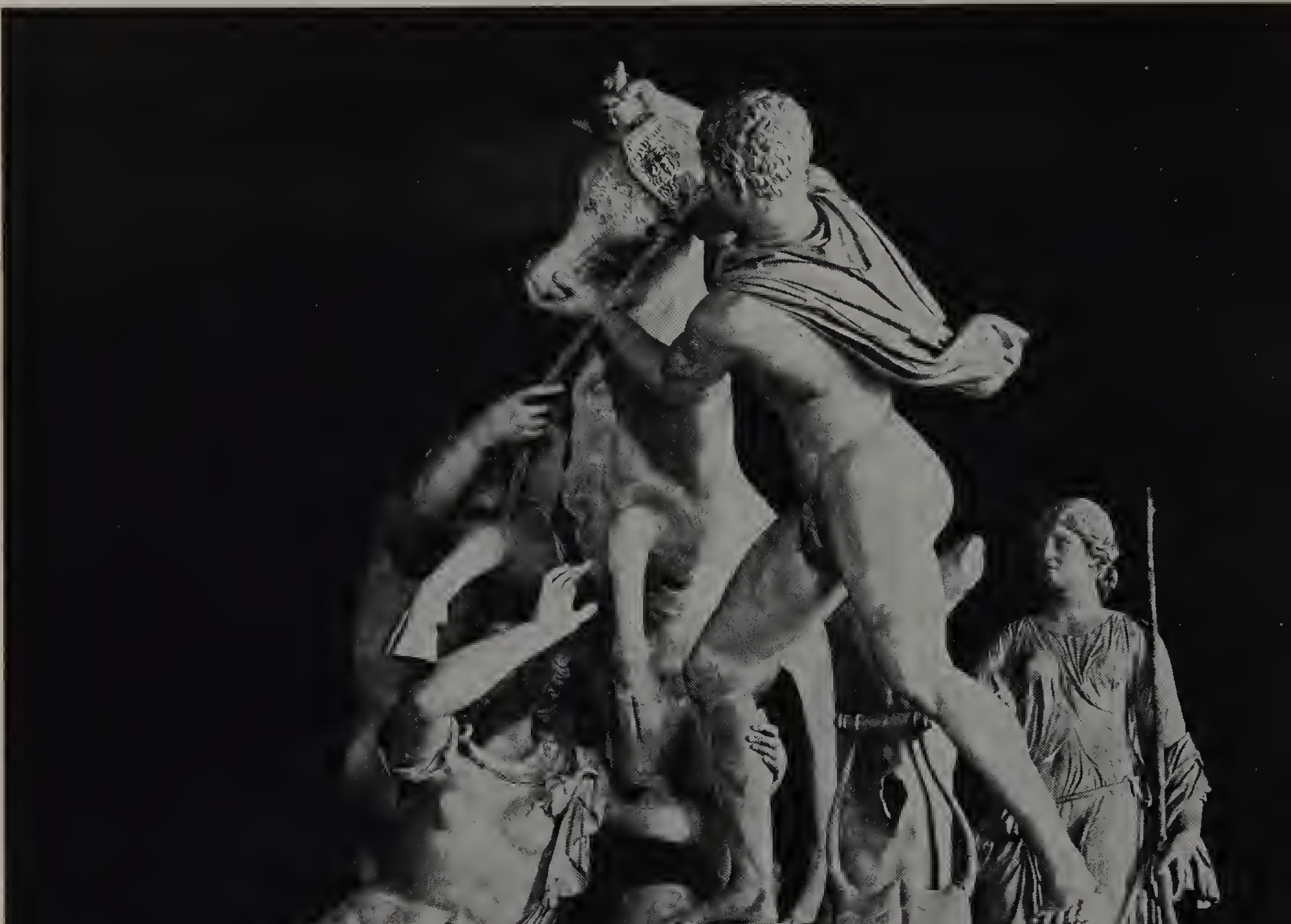


Fig. 767. Farnese Bull

Museo Nazionale, Naples

(Cf. p. 299)

INDEX TO THE ILLUSTRATIONS

INDEX TO THE ILLUSTRATIONS

(*The numbers refer to figures*)

Acheloos, head of, on coin, 8
Agias, 738, 740, 741
Aigina, pediments of temple at, 103, 113, 114, 186, 388, 389, 525; forgery copied from, 526
Aigisthos, death of, on relief, 182
Ajax, statuette of, 125, 126
Akropolis, archaic pediments from, Herakles and the Hydra, 376, Herakles and Triton, 379, Introduction of Herakles to Olympos, 380, lions devouring bull, 377, three-headed monster, 378
Akropolis youth, 30
Alexander, portraits of, 52, 744, 745, 746, 747
"Alexander sarcophagus," 176, 399, 400, 748
Alxenor, stele by, 425
Amazon, by Kresilas(?), 626, 627, 632 (on p. 234); by Pheidias(?), 618, 619, 620; by Polykleitos(?), 655, 656
"Ancestor Relief," from Sparta, 468
Antiocheia, 753, 754, 755
Antiochos I, portrait of, on coin, 237
Anzio girl, 336
Aphrodite, of Arles, 685; on coin of Aphrodisias, 311; from Kyrene, 50; of Melos, 535, forgery of, 536; of Knidos, 668, 669, 670, 671, 672; Pandemos, by Skopas, 704 (on p. 272); statuette of, in British Museum, 49
Apollo, perhaps after a statue by Bryaxis, on coins, 731, 732; in Geneva, 706; perhaps by Kalamis, on coin, 560; killing the serpent, on coin, 563; Sauroktonos, 673, 674, 675; Smintheus, perhaps by Skopas, on coin, 695
"Apollo," from Attica, in Athens, 20; in Munich, 23, 151; from Boeotia, 21; probably from Boeotia, 15; "Cassel" type, head of, 194; from Melos, 19; in Metropolitan Museum, head of, 148, statuette of, 24, 25, 26; "Omphalos," 36, 37; from Orchomenos, 18; from Sounion, 16, 146, 152; "Strangford," 28, 29; from Tenea, 22, 149; from the Tiber, 38
Apoxyomenos, 739, 742, 743
Argive Heraion, head from, 165
Ariadne(?), head of, 508; Roman copy of, 509
Aristion, stele of, 424
Aristogeiton, 573, 574
Armature, 434
Artemis, archaistic, 518, 519, 520; of Gabii, 686; by Praxiteles, on coin, 677; by Strongylion, on coin, 643
Ashurbanipal and his queen, 462
Asklepios, by Thrasymedes, on coin, 733
Assos, reconstruction of temple at, 403
Athena, archaistic head of, 533; forgery of, 534; perhaps by Endoios, 64; and Marsyas, 586, 587, 588, 589, 590, 591, 593; Medici, 322; Mourning, 206; Nike, temple of, sculptures from, 295, 297, 504, 506; Parthenos, 595, 597, 598, 599, 600, 601, 602, 603, 604; Promachos, 594, 596; in Venice, 323
Athenian Treasury, at Delphi, 124, 406, 407, 408, 409
Auxerre, statue formerly in, 262

"Barberini Suppliant," 501
"Bartlett head," 175
Bee, on a coin of Ephesos, 373
Beethoven, head of, by Bourdelle, 1
Belvedere torso, 766
Berlin, seated goddess in, 65, 161; standing maiden in, 139, 140, 267, 268, 269
Boar, in the Uffizi, 359
Borghese warrior, 107
Boston, three-sided relief, 183, 184, 189, 477, 478, 479
Boxer, bronze, in Rome, 765
Boy, extracting thorn, 75; strangling goose, 761
Bracelet, of silver in Metropolitan Museum, 557a, 557b, 558; forgery of, 559
Branchidai, Chares from, 264; figure from, 62; relief with dancing women from, 466

Calf-bearer, 5, 6
Caligula(?), 451
Cameo with head of Zeus, 179
Caricature, 223
"Cassel Apollo," head of type of, 194

Chares, 264
Charioteer, relief of, 275
"Chiaramonti" Niobid, 498
Child with hound, on gem, 364
Chios, head from, 174, 446
Chisel, 439, 440, 441
Chiton, 243 (on p. 88), 244 (on p. 89), 261
Chlamys, 252, 253 (on p. 90)
Chrysippos, head of, 232
Corfu, pediment of temple at, 61, 76, 96, 109, 141, 153, 374
Cow, from Delphi, 354; in the Bibliothèque Nationale, 357
Crab, on coin of Akragas, 372

Dancing girl, in Metropolitan Museum, 27; from Herculaneum, 260, 497
Delphi, charioteer, 162, 285; column with dancing women, 312; temple of Apollo, pediments of, 381, 384, 386, 387
Demareteion, 160
Demeter, from Knidos, 315
Demetrios, King of Baktria, portrait of, on coin, 234
Demosthenes, 736
Dexamenos, gem by, 226
Dexileos, stele of, 215
Diadoumenos, Farnese, 621; by Polykleitos, 650, 651, 652
Dionysos, perhaps by Alkamenes, on coins, 630, 631; by Boethos, 762; and satyr, 436
Dipylon head, 137
Diskobolos, by Myron, 578, 579, 580, 581, 582, 583 (on p. 206); statuette of, in Metropolitan Museum, 31, 32
Dodona, running youth from, 85; Zeus from, 101, 102
Dog, in Barracco Museum, 365
Doryphoros, 645, 646, 647, 648, 649
Draped woman, in Eleusis Museum, 325; from Giustiniani Collection, 338; statues of, in Venice, 324, 327, 329; statuette of, in Bibliothèque Nationale, 318, in Copenhagen, 320, 321; torso of, in Boston, 332
Drunken woman, in Munich, 74

Eagle, on coin of Akragas, 368; on coin of Elis, 369
Egyptian sculptor's model, 463
Eirene, and Ploutos, 499, 659, 660, 661
Eleusinian relief, 481; Roman version of, 510
Eleusis, running maiden from, 87; votive relief from, 461
Ephesos, temple at, archaic sculptures from, 265, 266; fourth-century drum from, 328, 703, 705
Epidauros, reliefs of Asklepios from, 714, 715; sculptures from temple of Asklepios at, 710, 711, 712, 713, 716, 717, 718, probably from, 719
Erechtheion, frieze of, 296, 728; Karyatid from, 502, Roman copy of, 503
Eretria, pediment of temple at, 281, 284, 442
Eros, from Boscoreale (or Paestum?), 94; flying, 221; of Parion, by Praxiteles, 676 (on p. 261); sleeping, 121
Eubouleus, head of, 512; Roman copy of, 511
Eukratides, portrait of, on coin, 236
Euripides, in Vatican, 229
Eyelashes, bronze plate with, 454 (on p. 147)

Falling Gladiator, by Rimmer, 7
Farnese, Bull, 767; Diadoumenos, 621; Herakles, 56
Foot, of ivory, in Metropolitan Museum, 432
Fresco with Satyr and Dionysos, 666

Ganymede and the Eagle, on mirror, 734; in Vatican, 737
Gaul, dead, in Venice, 120; killing himself and wife, 108, 178
Gem with Amymone, 552; forgery of, 553
Giant, statuette of, 117
Girl, from Laurion, 448, 449; running, in British Museum, 86; statuette of, in Munich, 41
Gjölbaschi Heroön, 326, 421, 422, 516
Glykylla, stele of, 306
Goat, in British Museum, 360; in Geneva, 362; in Metropolitan Museum, 361
Goats butting, 363
"Golgoi" sarcophagus, 111
Gorgon, in Akropolis Museum, 180; in Syracuse Museum, 79

Harmodios, 565, 566, 572, 575, 576, 577
"Harpy tomb," 472, 473
Head, of athlete, in Metropolitan Museum, V century, 195, IV century, 208; of bronze, in Copenhagen, 450; clay model of, 435; from Esquiline, 459; of girl, in Metropolitan Museum, 537, cast of, 538, forgery of, 539, 540; of girl, in Metropolitan Museum, from Taranto, 443; of man, in Berlin, 156;

of Paionios Nike type, in Vatican, 641; from relief, in Metropolitan Museum, 171; of terracotta, in Metropolitan Museum, archaic, 147, fragment of, 460, from Metaurum, 157; unfinished, 433, 435; of woman, in Boston, 155; of youth, in Akropolis Museum, 452, in Brescia, 166, 167, in Metropolitan Museum, 158
Hegeso, stele of, 429
"Hekatompedon," 112, 385; *see also* Akropolis
"Hellenistic Prince," 57
Hera, and Hebe, on coin, 657; head of, from Heraion(?) at Olympia, 138; by Polykleitos, on coins, 653, 654
Herakles, by Apollonios of Athens, on coin, 756; drunken, 132; Epitrapezios type, 750, 751; and Pholos, 13; Lansdowne, 707; statuette of, in Boston, 39, in Metropolitan Museum, 99
Hermaphrodite, 53
Hermes, from Herculaneum, 72; Kriophoros, perhaps by Kalamis, on coin, 561; and Nymph, 453; by Praxiteles, 170, 444, 664, 665, 667; Propylaios, 628, 629; relief of, 276
Heron, on gem, 371
"Hertz" head, 639, 640
Hestia Giustiniani, 257
Himation, 250
Homer, head of, 239
Horse, in Akropolis Museum, 348; on coin, 9; statuette of, in Metropolitan Museum, 349, 350
Horseman, relief of, in Metropolitan Museum, 353
Horsemen, from Prinias, 347
Hound, and child, 364; in Conservatori Palace, 367

Idolino, 43, 44, 168
Ilissos temple, frieze of, 88, 420

Kleobis and Biton, 17, 142, 145
Kos, sculptures from altar at, 687, 688, 689

Laokoon, 225, 763; copy of, by Bandinelli, 764
Lekythos, grave, in Boston, 496; in Metropolitan Museum, 495
Lemnian Athena, 614, 615, 616
Leto, 90; and Chloris, by Praxiteles, on coin, 678
Lion, in Berlin, 342; in Boston, 340, 341; in Metropolitan Museum, 344, 345
"Ludovisi throne," 185, 289, 474, 475, 476
Lykosoura, sculptures from temple at, 757, 758, 759, 760
Lyre-player, in the Hermitage, 67
Lysikrates monument, frieze of, 491
Lysistrate, stele of, 317

Maenad, in Dresden, 709
Maiden, perhaps by Antenor, 273; in Akropolis Museum, *no. 674,* 272, 544, *no. 679,* 143, 270, *no. 680,* 144, 150, 271, *no. 686,* 159; forgery of, 541, 542, 543; head of, 531, forgery of, 532; from Paros, 274; statuette of, in Bibliothèque Nationale, 522, in British Museum, 523
Mallet, 439, 440
Mantineia base, 679, 680, 681
Marathon boy, 46, 47, 48, 172, 173
Marmaria, figure from, 89
Marsyas, head of, in Barracco Museum, 585; in the Lateran, 584; statuette of, in the British Museum, 190, 592
"Mastiff," in the Uffizi Gallery, 366
Mausoleum, Artemisia from, 313; frieze from, 209, 697, 698, 699, 700, 701, 702, 720, 721, 722, 729, 730, 735; horse from, 352; lion from, 346; Maussollos from, 228, 314
Medea and the daughters of Pelias, 308
Megakles, stele dedicated by, 423
Megarian treasury at Olympia, pediment of, 383
Meleager, head of, 708
Melos, "Apollo" from, 19
"Menander," head of, 233
Mirror support, in Athens, National Museum, 524; in Boston, 255
"Mourning Athena," 206
Mourning women, in Berlin, 211, 212; sarcophagus of, 316, 398
Mynno, stele of, 214
Myttion, stele of, 258

Naukratis, unfinished relief from, 464
Negro, boy, in Ashmolean Museum, 220; musician, in Bibliothèque Nationale, 58, 59, 60
Nemesis, by Agorakritos, 633, 634; base of, 635, 727
Neo-Attic altar, 515; relief, in Munich, 505, in the Vatican, 517, with sacrifice of a bull, 507; vase in Metropolitan Museum, 514
Nereid Monument, friezes of, 467, 490,

492; Nereids from, 302, 303, 304; pediment of, 397
Nikandre, statue dedicated by, 263
Nike, of Brescia, 330; from Delos, 77, 78; by Paionios, 455, 456, 637, 638, 642; from the Palatine, 305; of Samothrake, 95; statuette of, in Athens, National Museum, 80, in British Museum, 83, in Metropolitan Museum, 545
Niobid, in Copenhagen, reclining, 118, running, 92; in Rome, 4, 196
Nurse, statuette of, 222

Old market woman, 219
Olympia, Temple of Zeus at, metopes of, 66, 319, 343, 355, 414; pediments of, 2, 115, 116, 133, 134, 163, 188, 191, 200, 390, 391, 392, 393, 608
"Omphalos Apollo," 36, 37
Orchomenos, "Apollo" from, 18
Orestes and Elektra (?), relief with, 465

Pan and the Graces, 636
Parthenon, frieze, 247, 291, 356, 486, 488, 489; metopes, 105, 131, 192, 415, 416; pediments, 69, 70, 71, 91, 119, 292, 351, 394, 395, 396, 500, 622
"Penelope," 68
Pergamon, frieze from altar at, 177, 334, 335
Perikles, herm of, in the British Museum, 624; in the Vatican, 623
Persian, dying, in Rome, 224
Phigaleia, frieze from temple at, 106, 197, 198, 199, 201, 202, 203, 204, 298, 299; metopes from temple at, 300, 301
Philetairos, portrait of, on coin, 235
Philoktetes, on gem, 564
Plangon, stele of, 217
Ploutos, 662, 663
Polyhymnia, 337
Portrait, head from Delos, 240; statue in British Museum, 333; statuette in Metropolitan Museum (Hermarchos), 230, 231, 241; *see also* under individual names
Poseidippos, 242
Poseidon, on coin, 98 (on p. 65); from Melos, 55
Poulydamas, base of statue of, 752
Praying boy, 51

"Rampin head," 154
Runner, in Metropolitan Museum, 81, 82
Running figure, in Budapest, 93

Samos, reclining figure from, 110
"Sappho," head of, 527, 528, forgery of, 529, 530
Satyr, in the Capitoline Museum, 54; in Dresden, 682, 683, 684; sleeping, in the Lateran, 122, in Munich, 218
Selinos, on coin, 45 (on p. 56)
Selinus metopes, temple C, 405; temple E, 187, 410, 411, 412, 413; temple F, 181
"Sikyonian" Treasury, 358, 404
Siphnian Treasury, frieze of, 97, 123, 418, 419, 487; pediment of, 382
Siren, weeping, in Boston, 216
Sokrates, head of, in Munich, 227
Sophokles, in the Lateran, 249
Sostrate, stele of, 428
Sounion "Apollo," 16, 146, 152
Statue base, ball player from, 469; by Bryaxis, 723, 724; with cat-and-dog fight, 283; of limestone, in Metropolitan Museum, 457, 458; of statue of wooden horse, by Strongylion, 644
Stelai, backs of, 438
Stele, of athlete, in Athens, National Museum, 494, in Vatican, 480; forgeries of, in Barracco Museum, 556, in Berlin, 554, 555; of girl with casket, 427; of girl with mirror, 550; of girl with pigeons, 205, 426; head from, in Metropolitan Museum, 447; with siren and mourning women, in Berlin, 210; of woman, in Metropolitan Museum, 294; of youth, detail of, in Metropolitan Museum, 470; of youth reading, at Grottaferrata, 213
Stephanos, youth by, 521
Strangford, "Apollo," 28, 29; shield, 605
Swan, on coin of Klazomenai, 370

Tegea, sculptures from temple at, 690, 691, 692, 693, 696
Tenea "Apollo," 22, 149
Terina, on coin, 310
Terracotta statuettes in Metropolitan Museum, 14, 63, 73, 135, 256, 286, 547; forgeries of, 546, 548, 549, 551
Thasos, relief from, in Louvre, 453
Themis, 331
Thermos, metopes from temple at, 401, 402
"Theseion," 293, 375, 417, 725, 726
Tiber "Apollo," 38
Tyrannicide group, 567, 568, 569, 570, 571

Vase, with Amazon, in Metropolitan Museum, 259; with Amymone, in Metropolitan Museum, 307, 493; with Athena, in Bologna, 617; with Athena modeling a horse, in Berlin, 431; by Berlin painter, in Metropolitan Museum, 484; with birth of Athena, in Bibliothèque Nationale, 3; with boy holding himation, in Berlin, 248; with bronze foundry, in Berlin, 430; by Brygos painter, in Metropolitan Museum, 483; by Douris, in Boston, 290 (on p. 98); with Euphorbos carrying Oidipous, in the Bibliothèque Nationale, 246; by Euthymedes, in Munich, 279; with Maenads, in Athens, National Museum, 513; by Makron, in Berlin, 287, in Metropolitan Museum, 288; by the Meidias painter, in the Metropolitan Museum, 309; with Odysseus and Nausikaa, in Boston, 12; with old warrior, in Metropolitan Museum, 193; by Oltos, in Metropolitan Museum, 471 (on p. 168); by the Pan painter, in the Metropolitan Museum, 482; by Pasiades, in the British Museum, 280; with Peleus and Thetis, in Berlin, 282; by the Penthesileia painter, 485; showing chitons, 254, 277, and himatia, 278; showing chlamys, 251; showing himation, 248; with Theseus, in the Louvre, 245; with Theseus and the Minotaur, in the Louvre, 11; with Tityos, in the Metropolitan Museum, 130; with wounded warrior, in the Bibliothèque Nationale, 129 (on p. 68)

Warrior, from Dodona, in Berlin, 100; falling, in Modena, 128; relief of, in Athens, National Museum, 84; from Sparta, 104; statuette of, in St. Germain-en-Laye, 127, 625
Westmacott athlete, 658
Woman, unfinished statue of, in Athens, National Museum, 437

Youth, statuette of, from Cyprus, in Metropolitan Museum, 40; finishing jump (?), 136; in Louvre, 42; in Metropolitan Museum (Adorans), 33, 34, 35

Zeus, of Aetna, on coin of Katane, 10; perhaps by Ageladas, on coin of Messene, 562; on coins of Elis, 606, 607, 610, 611; on fresco from Eleusis, 612; on gem in Berlin, 613; head of, from Mylasa, in Boston, 609; perhaps by Lysippos, on coin of Caracalla, 749
Zeuxis, statue signed by, 339, 445

Date Due

N - 6 '46
N 12 '46
Mr 5 - '47
S - 8 '47
[illegible] 15 '48
APR 13 '49
Ag 8 '48
OCT 11 '49
OCT 19 '50
NOV 2 - '50
JAN 30 '51
MAY 4 - '51
[illegible]
OCT 15 '51
OCT 31 '51
JAN 18 '52
NOV 12 '52
DEC 1 '54
NOV 29 '55

OCT [illegible]
OCT [illegible]
NOV [illegible]
MAR 1 1 [illegible]
APR 2 0 [illegible]
NOV 14 '59
DEC 8 - '59
JAN 13 '60
[illegible] '60
NOV 10 '60
NOV 26 '60
JAN 2 [illegible]
NOV 29 '61
DEC 13 '61
APR 16 '62
MAR 30 '63
APR 10 '63
MY 4 '66

NO 9 '64
NO 24 '65
MR 5 '66
MY 24 '66
~~RESERVE~~
JA 31 '68
JE 5 '68
~~RESERVE~~
OC 14 '69
MY 6 '71
NO 20 '72
JA 9 '73
NO 7 '77
~~DE 14 '78~~
NO 6 '91

HUNTTING—1320

MARYGROVE COLLEGE LIBRARY
The sculpture and sculptors of t
733.3 R41
3 1927 00117857 0

2
733.3
R41
Richter, Cisela M.
The sculpture and
sculptors of the Greeks.

DATE	ISSUED TO 5-30
MAR 16 '60	

733.3
R41